CONSTRUCTION NEWS

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CONTENTS.

CONSTRUCTION NEWS:

Railways 65
Electric Railways 65
Light and Power Plants 66
Bridges 66
Buildings 67
Water Supply and Irrigation 68
Sewerage 70
Streets and Roads 70
Manufacturing Plants 71
Miscellaneous Contracts 72
U. S. Possessions and Cuba 73
Plans and Specifications on File 73
List of Contracts Pending 73
EXAMINATIONS 73
PROPOSALS 74

(List of Contracts Pending, and the list of Plans and Specifications on file at the office of Engineering News, will be found on the last page of this Supplement.)

IMPORTANT WORK NOTED IN THIS ISSUE.

Railways.
Canadian Northern.
Butte, Boise & San Francisco.
Memphis, Dallas & Gulf.
New York Central & Hudson River.

Electric Railways.
Pittsburg, Pa.
Sterling, Ill.
Sioux Falls, S. Dak.

Light and Power Plants.
Water power plant, Franklin, N. H.
Electric plant, Richmond, Va.
Power plant improvements, Wash., D. C.
Steam plant, Long Beach, Cal.

Bridges.
Bridge, McKeesport, Pa.
Bridges, Richmond, Va.
Viaducts, Birmingham, Ala.
Viaduct, Kansas City, Mo.

Buildings.
Bank, Detroit, Mich.
Board of Trade Bldg., Chicago, Ill.
Station, Montreal, Que.

Water Supply—Irrigation.
Reservoir, New York.
Water main, Minneapolis, Minn.
Irrigation, Rapid City, S. Dak.

Sewers.
Sewer system, Westfield, N. Y.
Drainage system, Charleston, W. Va.
Pipe sewers, North Vancouver, B. C.

Streets and Roads.
State roads, Hartford, Conn.
State roads, Columbus, Ohio.
Stone roads, Indiana.

Manufacturing Plants.
Brewery, South Sharon, Pa.
Machinery mill, Fairmont, W. Va.
Automobile factory, Youngstown, Ohio.

Miscellaneous.
Tunnel, Boston, Mass.
Barge Canal, Albany, N. Y.
Battleships, Washington, D. C.
Seawall, dredging, New Orleans, La.

RAILWAYS.

*(*Denotes that this work is advertised in Engineering News.)*

BIRMINGHAM, SELMA & PENSACOLA.—The officials of this company plan for a line from Birmingham, Ala., south via Bessemer, Blockton, Centerville, Marion and Selma, to Pensacola, Fla., about 230 miles. Track has been laid on four miles. There will be one steel bridge. The railway will be used principally for carrying coal, timber, iron ore, marble and cotton. J. C. Suttle, Vick, Ala., and H. E. Reynolds, Centerville, are interested.

BUTTE, BOISE & SAN FRANCISCO.—Articles of incorporation have been filed in Butte, Mont., by State Senator W. H. Haviland, whom the articles name as Pres. of the company. T. Tomich, of Butte, is Vice-Pres.; V. S. Ruelene, of Paris, France, Treas., and T. H. McCabe, of Butte, is Secy. The capitalization is $25,000,000. The route of this road places its terminals at Butte in the northeast and at San Francisco in the southwest, the line to run diagonally through Montana, Idaho, Oregon and California. The average cost of construction per mile is estimated at $40,000. The announcement is made that Mr. Ruelens is authorized to contract for right-of-way and construction at once.

CANADIAN NORTHERN.—C. J. JOHNSON, Bailey Bldg., Seattle., Wash., has been awarded contracts aggregating $1,500,000, for work on the Canadian Northern, consisting of grading about 90 miles of the main line of the road east from New Westminster, B. C., and the construction of a number of culverts and bridges in that stretch. Work will be commenced as soon as the crew can be assembled and the outfit can be shipped north, which will be within a few days. C. J. Johnson expects to do about half the work direct and sublet about half of it.

DAN McDONALD, who is now with Porter Bros., doing work on the Hill lines in Oregon, has been awarded a contract for 23 miles of the Canadian Northern road. Other contracts will be let as the work progresses and American contractors doing work for the Southern Pacific and Hill systems in Oregon and Washington have been asked to bid. The 60 miles of Canadian Northern line in the Fraser River Valley will open up a new and rich agricultural territory. J. Irwin is Supt. of Constr., Winnipeg, Man.

CHESAPEAKE WESTERN RY.—This line, which now extends a distance of 41 miles from Elkton and Stokesville, Va., will be lengthened 40 miles by being extended westerly to Deerfield. W. E. Stokes, 73d St. and Broadway, New York, is Pres. and Gen. Mgr.

CINCINNATI, LEXINGTON & HOCKING VALLEY.—This company has been incorporated with $30,000 capital to build a line from Cynthiana, Ky., to Lexington, Paris and Newport. W. S. Gray, of Gray & Co., Louisville, Ky., is making a survey for the line, to be 65 miles long. The incorporators are R. W. Day, F. L. Fuller, T. J. Fox, W. L. Connell, of Scranton, Pa.; Don C. McVean, of Covington, Ky.; R. H. Reese and Wade H. Lail, of Cynthiana, Ky.

FORT SMITH, SUBIACO & EASTERN.—Authority has been granted to extend from the present terminus at Scranton, Ark., to Dardanelle, Ark. The road is now in operation from Paris to Subiaco, a distance of 5.71 miles, and is completing an extension from Subiaco to Scranton. All of the line built so far is in Logan County. The extension from Subiaco to Dardanelle will be 23 miles long. After securing permission to extend the road the company filed an amendment to its charter increasing its capital stock from $150,000 to $500,000. The company explained that it is necessary to increase the capital stock $350,000 in order to meet the cost of construction of the extension. Henry Stroup is Gen. Mgr., Paris, Tex.

GULF & NORTHWESTERN.—Practically all the right-of-way through the state of Kansas has been secured. Financial arrangements are being made and it is expected that construction work will be begun at once. The plans call for a line from Oklahoma City, Okla., northwest through Kansas, to Sterling, Colo., where connection is to be made with the Union Pacific and the Chicago, Burlington & Quincy. An extension is to be built eventually from Oklahoma City south to Denison, Tex. J. B. Dyatt is Pres., Goodland, Kan., and R. B. Ketchum, Consult. Engr., Salt Lake City, Utah.

GULF, TEXAS & WESTERN.—The line has been finished between Jacksboro and Seymour, Tex., 75 miles, and the company is considering a proposition made by the Chamber of Commerce of Dallas, Tex., to extend the line to that city. The road will also be extended to some point west from Seymour. J. J. Jermyn is Pres., Scranton, Pa.; B. B. Cain, Dallas, Tex., is Vice-Pres. and Gen. Mgr.

HUMBOLDT & EASTERN.—A corps of surveyors under J. T. Lentell has taken the field to make permanent surveys for the Humboldt & Eastern, which will connect Eureka with Red Bluff or Redding, Cal. This work was ordered immediately after the receipt of the news from Washington that the Secretary of Agriculture had consented to sell one billion feet of timber in the Trinity National Forest. The new railroad will cut across Trinity County, which has not a mile of railway, but contains undeveloped resources. According to the terms of the agreement with the Government, the railroad company must complete the line as far as Wildwood, Trinity County, within five years, in order to benefit by the transportation of the timber.

MEMPHIS, DALLAS & GULF.—Company has filed an amendment to its articles of incorporation, granting it authority to proceed with the building of an extension from its present terminus at Murfreesboro, Ark., in Pike County, to Memphis, or to a point in Arkansas on the Mississippi River, opposite Memphis, 255 miles, through the counties of Pike, Clark, Dallas, Cleveland, Jefferson, Arkansas, Monroe, Phillips, Lee and Crittenden, passing through the cities of Arkadelphia, Dalark, Carthage, Pine Bluff, DeWitt, St. Charles and Helena; thence along or near the west bank of the Mississippi River to Hopefield; also to build from its western terminus at Ashdown to a point on the Red River, between Lanesport and Lewis's Ferry, opposite Shaws, Tex., 18 miles, making a total new mileage of 273 miles, all in Arkansas. The capital stock is increased from $645,000 to $7,875,000. As noted on June 9, "at a recent meeting, the Board of Directors was increased from seven to nine and Peter Byrd, of Pine Bluff, Ark.; J. W. Allen, of De Witt, Ark.; and T. C. Hornor, of Helena, Ark., added to the directorate. Noted on April 14."

NEW YORK CENTRAL & HUDSON RIVER.—Application has been made by this company on behalf of itself and other roads centering at Buffalo, N. Y., to the Public Service Commission, Second District, at Albany, N. Y., for permission to make certain connections and extensions, which, if allowed, will be followed by an expenditure of $750,000 on improvements in the freight yards being established at Gardenville, near Buffalo. The plan is to build a branch to serve as a trunk line 2½ miles long, connecting with the West Shore, Lehigh Valley, Erie and Lackawanna, as a result of which most of the freight that now has to be taken into Buffalo will be handled at Gardenville. It meets with some opposition from the county authorities, owing to the manner in which it will effect certain established highways. George W. Kittredge, Grand Central Station, New York, is Ch. Engr.

ONTARIO.—An application has been made for charter by Arthur Ferland, W. C. Chambers, Charles Richardson, R. W. Gordon and A. E. Burdett, to build a steam or electric railway from a point on the Temiskaming & Northern Ontario Ry., between Matheson and Mile Post 229, to the Matagami River, a distance of 42 miles. This railroad would pass through the Porcupine gold fields and connect the Temiskaming & Northern Ontario Ry. with the Matagami River. Upon favorable action on the application work will start at once, under the direction of W. C. Chambers. According to press reports Messrs. Ferland and Chambers are interested in the Chambers-Ferland Mine at Cobalt and Mr. Richardson is a director of the Temiskaming Mine.

OTTAWA, RIDEAU VALLEY & BROCKVILLE.—At a recent meeting of Directors held at Ottawa, it was decided to go ahead at once with the construction of the road. The line will run from Brockville, Ont., to Ottawa, Ont., by way of Algonquin, North Augusta, Merrickville, Burritt's Rapids and Manotick. From Ottawa it will cross over the Ottawa River to the Quebec side and tap the iron mines at Ironsides. Survey work will start at once and it is expected to have trains running next summer.

SOUTHERN PACIFIC.—Surveyors have located a line five miles southeasterly from Harrison Gulch in Shasta County, Cal., and they are approaching the middle fork of Cottonwood Creek. The survey has been made through rough country. Another party is working westerly from the low gap through Trinity County toward Eureka, according to local press reports. W. Hood, San Francisco, Cal., is Ch. Engr. Noted on Feb. 24.

TEXAS CENTRAL.—Announcement has been made that the Texas Central, operating 270 miles, has passed into the control of the Missouri, Kansas & Texas. This announcement has been followed by the statement that the line will be extended from Waco, Tex., to a connection with the isolated section owned by Missouri, Kansas & Texas, running between Colmesneil and Trinity, 75 miles. From Colmesneil the road will be extended to a connection with the Frisco line that runs north to Newton from Orange. The extension plans call for the construction of about 200 miles of road. The Colmesneil-Trinity line traverses the timber belt of East Texas. C. Hamilton is Vice-Pres. and Gen. Mgr., Texas Central R. R. Co., Waco, Tex.; A. M. Acheson, Dallas, Tex., is Acting Ch. Engr., M. K. & T. Ry. System.

SWITZERLAND.—The following railway concessions have been made by the Federal Government: To Messrs. Isler, of Goldau, Cathrein of Brigue, and Roemer of Paris, for the construction and working of a narrow-gage electric railway from Brigue via Riederalp and Eggishorn to the Aletsch Glacier; the cost of the work is estimated at $770,000, and three years are allowed for the completion of the line; to Messrs. Baumgartner, of St. Gall, Beusch, of Grabs, Bohl, of Stein, Hardegger, of Gams, Kuhn, of Buschs, and Looser, of Alt-St. Johann, for the construction and working of a narrow-gage electric railway from Buchs to Nesslau; the cost of the work is estimated at $1,000,000, and 30 months are allowed for its completion; to Messrs. Comte and Froidevaux, of Delémont, for the construction and working of a railway from Delémont to Mervelier; the cost of the work is assessed at about $240,000, and two years are allowed for its completion; to André Zwissig, of Seelisberg, for the construction and working of a funicular railway from Treib to Seelisberg; the cost of the line is estimated at $90,000, and it must be built within 18 months.

ELECTRIC RAILWAYS.

SOUTH EGREMONT, MASS.—The Berkshire Street Ry. Co., of Pittsfield, Mass., has filed a petition with the Selectmen of Egremont for the location of tracks in the town of South Egremont. The street railway company plans to extend a trolley line from the end of the line at Great Barrington to South Egremont village, a distance of about four miles. A similar petition has been presented to the Selectmen of Great Barrington and the dates will soon be set for the hearings. It is expected that work on this proposed extension will be started in a few weeks. C. Q. Richmond, Pittsfield, is Gen. Mgr.

SPRINGFIELD, MASS.—A franchise has been granted to the Springfield Street Ry. Co. by the City Council to build an extension of the St. James Ave. line to connect with Chicopee. E. J. Dickson, Springfield, is Mgr.

GENEVA, N. Y.—Surveyors are at work laying out the route for an electric line between Geneva and Port Gibson, Wayne County. The line is practically that of the proposed Geneva & Newark road, which was surveyed several years ago. According to the survey being made the road will connect with the line of Geneva & Auburn Ry. at the corner of North and Exchange Sts., in this city and the cars will reach the center of Geneva over the tracks of this company in Exchange St. From the corner of North and Exchange Sts., the line runs north in Exchange St. to Gates Ave., where it leaves the highway and follows a private right-of-way to Phelps. The road will run on the north side of the Auburn branch of the New York Central and will practically parallel that line to Phelps. From Phelps the line will run to Port Gibson, where connection will be made with the Rochester, Syracuse & Eastern line.

BERWICK, PA.—It is probable that contracts will be let within a month for constructing from four to eight miles of track by the Berwick & Nescopeck Street Ry. Co.

BRIDGEVILLE, PA.—The application for a charter of the Pittsburg, Steubenville & Wheeling Street Ry. Co. has been approved at Harrisburg by Governor Edwin S. Stuart, and it is announced that it will build a preliminary line of four miles between Dormont and Bridgeville. The capital stock is $40,000 and W. E. Hildebrand, with offices in the Oliver Bldg., Pittsburg, is Pres. John F. Klein, Carnegie, and C. W. Behney, of Cecil, are other incorporators.

PITTSBURG, PA.—The Cincinnati & Pittsburgh Electric Railway Co. has incorporated at Dover, Del., to build, own, operate and maintain electric and steam railways outside the state of Delaware. The incorporators are A. E. Cox, F. S. Kanode, A. W. Werninger, C. P. Sanborn and C. R. Wyatt, all of Huntington, West Virginia. The capital at the outset is $1,000,000. It is reported that this company has practically completed the preliminary arrangements and proposes to begin construction within 60 days on its proposed railway from Cincinnati to Pittsburg along the Ohio River Valley. A. E. Cox, 1502 Third Ave., Huntington, W. Va., is Pres.

FAIRPORT, OHIO.—The Fairport Painesville & Eastern R. R. Co. has been incorporated with a preliminary capital of $7,500 for the purpose of building and operating an electric traction line between Austinburg, Ashtabula County and Painesville, Ohio. The incorporators were: Sterling Newell, Elms R. Diehm, Frank J. Hogan, Herald F. Clark and W. B. Whitney.

MOUNT GILEAD, OHIO.—Financial arrangements are to be made and work started on a system of electric lines radiating from Mount Gilead, Ohio, to connect with Mansfield, Mt. Vernon, Delaware, Marion and Galion, a total of 107 miles, as soon as a report is submitted by Roberts & Abbott Co., 1123 Schofield Bldg., Cleveland. The General Traction Development Co., 516 Hippodrome Bldg., Cleveland, will have charge of the entire work of organization, financing, construction and subsequent operation of the line. E. F. Wheaton is Vice-Pres. and Gen. Mgr., Cleveland.

FORT WAYNE, IND.—We are officially advised that the Fort Wayne & Warsaw Ry. Co. will build an electric railway, 40 miles long, connecting Fort Wayne and Warsaw, via Columbia City, Ind. The capital will be furnished on completion of the estimates, right-of-way and franchises. The right-of-way is being obtained and a franchise has already been secured through Whitley County. The road is to be built for the Winona Interurban Ry. Co., of Winona Lake, Ind. J. A. Barry, Fort Wayne, Ind., is Pres.; Will G. Fowler, Ch. Engr., Wabash, Ind. Noted on June 30.

LAMOILLE, ILL.—We are officially advised that James Walker, Engr., Royal Insurance Bldg., Chicago, Ill., is making investigations and will report soon, relative to a line to connect Princeton, Doner, Lamoille and Mendota, Ill. The right-of-way has not been secured nor the surveys made. L. J. Kendall, of Lamoille, and A. R. Unholz, of Princeton, are interested.

STERLING, ILL.—The Sterling-Moline Traction Co. was organized here on July 25 to build an electric interurban railroad from Princeton, Ill., to Sterling, and from Sterling to Moline. The company is capitalized at $1,500,000. Work on the project will begin at once, it is stated.

SIOUX FALLS, S. DAK.—An amendment has been made to the charter of the South Dakota Interurban Co., increasing the capital stock from $1,000,000 to $2,000,000. The company was organized, with headquarters at Centerville, S. Dak., to build about 160 miles from Sioux City, Iowa, northwest to Bijou Hills, S. Dak. Permission has been asked to make Chamberlain, on the Missouri River, the western terminus instead of Bijou Hills. The promoters have been securing right-of-way during the past year. The incorporators include F. E. Graves, W. E. Muller, C. E. Todd, Bijou Hills, and G. A. Miller, Academy, S. Dak. Noted on April 7 and June 23.

SAN MARCOS, TEX.—O. E. Metcalfe, of San Marcos, Tex., is making a survey for the proposed street railway system to be constructed here. It is planned to start construction work as soon as the survey is finished and to have the system finished by Jan. 1.

PORT ARTHUR, TEX.—The Board of Commissioners of Jefferson County will consider the two applications that are pending for franchises to construct interurban electric lines between Port Arthur and Beaumont at its August term. One of these applications was submitted by H. J. Meyers, Pres. of the Port Arthur Traction Co., and the other by I. D. Polk, of Beaumont, who represents a syndicate of capitalists. It is considered improbable that both lines will be constructed even should the franchises be granted. The distance between the two towns is about 25 miles.

FAIRVIEW, OKLA.—The Fairview & Oklahoma City Railway of Oklahoma City, has chartered in Oklahoma to build a 4½-mile railway from Fairview to Rusk. Capital stock $100,000. The incorporators include O. E. Snyder, Oklahoma City, Pres.; H. A. Noah, Alva, Secy.; M. M. Fulkerson, Alva, Treas.; W. D. Bowling, H. A. Bower, H. Clay Willis, all of Fairview, Vice-Presidents.

ALBANY, ORE.—The Albany Interurban Ry. Co. has been granted a franchise by the City Council to build an electric railway over certain streets in Albany. This company has completed surveys and construction will soon start on its proposed 85-mile electric railway to connect Albany and Sweet Home, thence across the foothills to Holly and down through the Calapooia Valley, reaching Albany again via Brownsville, completing a circle. The officers are: P. A. Young, Pres. and Gen. Mgr.; George H. Crowell, Secy.; A. C. Schmitt, Treas.; W. H. Davis, M. J. Cameron and W. A. Barrett, Dirs., all of Albany. Noted on May 19.

STRATFORD, ONT.—The by-law granting franchise privileges to the street railway about to be built and operated in Stratford and vicinity, was carried on July 29. It is understood that the Canadian Pacific Ry. Co. is interested in the enterprise, which will give the city connections with the steam railway system.

LIGHT AND POWER PLANTS.

(**Denotes that this work is advertised in Engineering News.*)

FRANKLIN, N. H.—We are officially advised that the services of the Stone & Webster Engineering Corporation, 147 Milk St., Boston, Mass., have been secured by the Boston & Maine R. R. for the design and construction of a 1,200-KW. water-power plant at Franklin, 20 miles north of Concord. Double transmission lines along the right-of-way of the railroad will carry the current at 22,000 volts to three sub-stations. The power will be used for the railroad shops and for lighting the yards and station. Current will also be supplied to the Concord & Manchester Branch and to the Concord Street Ry. and Contoocook Park. Additional converting apparatus of 300 KW. capacity, together with step-down transformers and controlling switches for a 2,300-volt lighting system will be installed at the South End sub-station, and 300 KW. of converter, transformer and switching equipment now mounted in the portable sub-station at West Concord will be removed and erected in the engine room of the steam generating station. A new sub-station, known as the Hooksett sub-station, having a capacity of 600 KW. will be built to supply the Manchester Branch. New step-down transformers of 500 KW. will be installed in the engine room of the shops. Improvements will also be made in the West Concord steam plant, including new boilers and a generator of about 200 KW.

BUFFALO, N. Y.—Plans have been completed by Henry L. Spann, Arch., 38 Pascal St., and bids will be received by him for a power-house with equipment, to be added to the Mother House of the Sisters of Charity now being erected at Abbott Road and Red Jacket Parkway at a cost of $350,000.

BUFFALO, N. Y.—Contract has been awarded to the RIDGWAY DYNAMO & ENGINE CO., of Ridgway, Pa., the only bidder, on July 25, by Richard Gardiner, County Purchasing Agent, for installing a new engine in the power-house at the county buildings.

BUFFALO, N. Y.—The Supervisors' Penitentiary Committee has decided to reject all bids received on the second advertisement for the installation of a power plant at the penitentiary. The lowest bid received was submitted by C. H. Everitt at $69,918. Bids will be readvertised. Noted on Aug. 4.

NEW YORK, N. Y.—Bids are asked by George McAneny, Pres. Boro. Manhattan, until 2 p. m., Aug. 18, for the labor and material required for the installation of new electric elevators in the County Court House building, City Hall Park, Boro. Manhattan, City of New York.

Bids are asked by the Department of Public Charities until 2.30 p. m., Aug. 19, for furnishing all the labor and materials required to reset eight horizontal tubular boilers in the power house at the Kings County Hospital, Boro. Brooklyn, City of New York.

Bids are asked by J. K. Paulding, Acting Pres., Bd. of Trustees, Bellevue and Allied Hospitals, until 3 p. m., Aug. 15, for all labor and materials required for furnishing and installing electric and gas lighting fixtures in the pathological department and male dormitory of the new Bellevue Hospital, situated on First Ave. and bounded by 26th and 29th Sts., Boro. Manhattan, City of New York.

RIVERHEAD, N. Y.—The Riverhead Electric Light Co. has been granted permission by the Public Service Commission, Second District, to exercise a franchise granted by the Town Board of Southampton for furnishing electricity for lamps and motors, and has been authorized to issue bonds for $7,300, the proceeds of $5,000 to be used for the construction and equipment of a transmission line from its station in Riverhead to the Village of West Hampton Beach, and $2,300, to be used for the purchase of generating machinery and switchboard. W. H. Edwards is Ch. Engr.

NEWARK, N. J.—We are officially advised that bids were received by the Committee on Public Buildings of the Board of Chosen Freeholders, Louis E. Voorhees, Chn., at Newark, on Aug. 5, for the electric light and power plant at the county court-house, Newark. The bids follow: Watson Flagg Engineering Co., Paterson, N. J., $26,945; Blackall & Baldwin, N. Y. City, $29,345; Paul H. Jaennig, Newark, $30,960; Lord Electric Co., New York, $30,960; Storms & Co., Newark, $31,496; L. K. Comstock & Co., New York, $31,900; A. D. Granger & Co., New York, $39,343.

PHILADELPHIA, PA.—The Stephen Girard Estate has awarded contract to the POMEROY CONSTRUCTION CO. for a power-house at 20th St. and Oregon Ave. It will furnish light and heat for model dwellings now being built. Estimated cost, $20,000.

BALTIMORE, MD.—The Board of Awards has awarded contract for street lighting to the CONSOLIDATED GAS, ELECTRIC LIGHT & POWER CO. A. S. Loizeaux, Ch. Engr., for one year. The contract has formerly been let for a period of five years, but the Superintendent of Lamps and Lighting recommended the 1-year contract. Noted on Aug. 4.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until 2 p. m., Aug. 12, for wiring, equipment with gas, air, water and electricity, etc., in the Physics Laboratory, Western High School.

WASHINGTON, D. C.—Bids were opened on Aug. 1 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, for an electric elevator and for wiring and conduit in the Treasury Building. The only bid received was that for the elevator from the Otis Elevator Co., New York, at $5,275.

Bids will be received by the Bureau of Supplies and Accounts, Navy Dept., Washington, until Aug. 16, for furnishing to the various navy yards and naval stations the following supplies: Brooklyn, N. Y., Schedule 2780, 60 salvo firing buzzers; Schedule 2768, electrical wires and cables, to be delivered at the various navy yards and naval stations. Washington, D. C., Schedule 2773, electrical wires and cables. Brooklyn, Schedule 2770, 100 single-phase induction fans; Schedule 2780, 1,350 lbs. cotton insulating tape. Boston, Mass., Schedule 2780, 300 dry cells, reserve type, 1,000 lbs. cotton and rubber insulating tape; Schedule 2766, to be delivered to the various navy yards and naval stations, miscellaneous telephone supplies and accessories.

WASHINGTON, D. C.—The Capital Traction Co. is preparing to make improvements to its main power plant by rebuilding the station and increasing the output by 6,000 KW. Estimated cost, $250,000. T. H. Hanna is Ch. Engr.

BEDFORD CITY, VA.—The city awarded contracts on July 27 for the construction work on the hydro-electric power plant as follows: Concrete work, power-house and race to JAMES R. GUY, Jr., Bedford City, at $13,680; repairs to dam to L. A. SADLER at $2,000; electric appliances to WESTINGHOUSE ELECTRIC & MFG. CO., East Pittsburg, Pa., at $19,898; electric line complete to JOHN L. LIVERS, of Grottoes, Va., at $17,800; turbine wheel and all machinery connected with water power to S. MORGAN SMITH & CO., of York, Pa., at $11,481; Francis R. Weller is Engr., Hibbs Bldg., Washington, D. C.

RICHMOND, VA.—The New River Power Co., F. S. Viele, Pres., 49 Wall St., New York, has engaged Viele, Blackwell & Buck of same address, as engineers to design the proposed water-power electrical plant. The company plans to develope 45,000 HP. for transmission by electricity. Estimated cost, $6,000,000.

EASLEY, GA.—Contract for installing electrical equipment for lamps and motors in the Alice Cotton Mills, of Easley, has been awarded to WITMAN & MOUNTFORD, of Macon, Ga.

LAFAYETTE, GA.—The City Council has awarded contract for the construction of the municipal electric light plant and waterworks system to J. B. McCRARY & CO., Empire Bldg., Atlanta, Ga. Work is to be completed by November, 1910.

TALLAHASSEE, FLA.—The city has voted $15,000 of bonds for water and electric light extension.

MULBERRY, FLA.—The Florida Mining Co. has awarded contract to the ALLIS-CHALMERS CO., of Milwaukee, Wis., for a 115-KW., 2,300-volt, 3-phase, 60-cycle, 900 r.p.m. generator, belted type, and four 250-KVA., oil-filled, self-cooled transformers.

BIRMINGHAM, ALA.—The Sloss-Sheffield Steel & Iron Co. has awarded contract to the ALLIS-CHALMERS CO., of Milwaukee, Wis., for machinery and equipment for an electric power plant at its mines in Sloss, which will furnish electricity to operate the large pumps and machinery and for lighting the mines.

CINCINNATI, OHIO.—Bids will be received at the office of the Clerk of the Board of Education, City Hall, until Aug. 15 for furnishing and installing complete electric lighting fixtures, etc., in the Woodward High School building, according to plans and specifications on file at the office of C. W. Handman, Business Mgr., 511 West Court St., Cincinnati.

INDIANAPOLIS, IND.—The Board of Public Works has awarded contract to the INDIANAPOLIS LIGHT & HEAT CO., for installing 193 additional lamps at $74 each per year. Cost per year, $13,232. N. E. Boggs is Ch. Engr.

MIDDLETOWN, IND.—The citizens have voted in favor of installing a municipal electric light plant. Estimated cost, $28,000. F. A. Weisehart is Town Clk.

BEDFORD, IND.—The Bedford Power Co. has awarded contract to the ALLIS-CHALMERS CO., of Milwaukee, Wis., for two 750-KW. steam turbo-generators, which will serve as auxiliaries for emergency use for the hydro-electric development the company is planning on the east branch of the White River at Williams. Also for the equipment of the initial installation of the hydraulic and electrical apparatus, including two 1,050-HP., triplex vertical turbines operating under a head of 17 ft., to be direct connected to a 1,000-KW., 80% power factor, 2,300-volt, 60-cycle, 3-phase alternator. Plans are also contemplated for three larger units to be put in service later.

*GRAND RAPIDS, MICH.—Bids will be received by the Board of Public Works until Aug. 25, for furnishing and installing two 300-KW. steam turbo generator sets, two surface condensers, one turbo exciter set, and one motor generator.

EVANSTON, ILL.—Contracts have been awarded by the North Shore Electric Co. to the ALLIS-CHALMERS CO., of Milwaukee, Wis., for additional transformers for the new extension which the company is building. The order includes 2,300-5,300-volt, 60-cycle, oil-filled, self-cooled transformers with a rating of 172 KVA.

BATAVIA, ILL.—Contract for the installation of two 110-HP. boilers in the municipal electric light plant has been awarded to FREEMAN & SON, of Racine, Wis., at $6,300.

FULTON, ILL.—Contract for the erection of the North-Western power-house in the Fulton terminal yards has been awarded to J. J. JOBST, of Peoria, Ill. Plans call for a building 100 ft. × 110 ft., to be equipped with improved machinery. Steam will be generated by a battery of five 150-HP. boilers.

BROWNTOWN, WIS.—Bids will be received by the city until Aug. 17 for installing an electric lighting plant. The plant will include 25-HP. gasoline engine, belt connected to an 18-KW. generator; also furnishing and erecting the pole line. O. D. Curtis is Clk.

DES MOINES, IOWA.—The Des Moines Electric Co. is making plans for the construction of a new substation on Tenth St., near Grand St., building to be 33 ft. × 132 ft. Estimated cost, $25,000. N. Christiansen is Ch. Engr.

FORT TOTTEN, N. DAK.—Bids are asked by the Commissioner of Indian Affairs, Washington, D. C., until 2 p. m., Aug. 23, for furnishing materials and labor for the erection of a heating and lighting system for the Grey Nuns Department of the Fort Totten School, North Dakota.

WHEATLAND, WYO.—See item under Water Supply—Irrigation.

ST. LOUIS, MO.—The Fulton Iron Works has awarded contract to the ALLIS-CHALMERS CO. of Milwaukee, Wis., for one 30 × 60 and one 26 × 48 heavy duty engines, to be shipped to Cuba, where they will be used in furnishing power for sugar mills.

*HOT SPRINGS, ARK.—Bids are asked by Maj. G. D. Deahon, Medical Corps, Q. M., U. S. A., until 11.30 a. m., Sept. 10, for furnishing and installing one triple motor-driven pump and two motors, one A. C. and one D. C.

SEATTLE, WASH.—W. D. Van Sicklen, Arch., on Aug. 1, awarded contract to the ERNST HARDWARE & PLUMBING CO. for plumbing and heating work in a new $65,000 5-story brick apartment building for M. J. Strong at Pine St. and Terry Ave.

WATTS, CAL.—The City Council on July 20 decided to employ an engineer to estimate on the cost of erecting a gas plant to supply the entire city.

COLTON, CAL.—Plans are being considered for the extension of the ornamental street lighting system here. Earl M. Crilly is Mgr. Municipal Electric Light Plant.

LOS ANGELES, CAL.—The Huntington interests are planning improvements in the Agricultural Park district. Contract has been awarded to the ALTA PLANING MILL CO. for the construction of a brick substation to generate and transform electricity for both the Grand Ave. and Redondo Ry. systems.

The Acton Rock Co., which is increasing the capacity of its crushing plant, has awarded contract to the ALLIS-CHALMERS CO., of Milwaukee, Wis., for one No. 12, two No. 5 and one No. 2, style "K," Gates breakers; one 48-in. × 14-ft. and one 48-in. × 24-ft. Gates revolving screens, conveyors and ten induction motors, varying in size from 3 HP. to 175 HP.

BOISE, IDAHO.—JAMES LYNCH & CO. have been awarded contract for the construction of the power plant and dam of the Snake River Irrigation Co., in connection with the Castle Butte project on the Snake River, about 38 miles south of here. The project embraces the irrigation of about 17,000 acres.

SHERBROOKE, QUE.—The Sherbrooke Street Ry. Co. has awarded contract for the construction of its power house to the BISHOP CONSTRUCTION CO., of Montreal, to the JENCKES MACHINE CO., Ltd., of Sherbrooke, for furnishing hydraulic machinery, and to the CANADIAN GENERAL ELECTRIC CO. for electrical equipment. The company will develope about 2,500 HP. Ross & Holgate, of Montreal, are Engrs.

STRATFORD, ONT.—The city has awarded contract to the JOHN FORMAN CO., of Montreal, Que., for 800 75-watt tungsten street lamps.

OTTAWA, ONT.—The Ottawa Light, Heat & Power Co. has been granted a permit to construct a substation on Slater St. Estimated cost $18,000. A. A. Dion, Ottawa, is Gen. Supt. and Ch. Engr.

BROCKVILLE, ONT.—The Light & Power Department is reported to have rejected bids for the construction of the new power house adjoining the pumping station for the purpose of combining the two plants as excessive. Work will be done by day labor.

BRIDGES.

(**Denotes that this work is advertised in Engineering News.*)

*VAN BUREN, ME.—Bids are asked by the Van Buren-St. Leonards International Bridge Commission, at the office of the State Commissioner of Highways, Augusta, Me., until noon, Sept. 9, for constructing a bridge over the St. John River, between Van Buren, Me., and St. Leonards, N. B., 762 ft. long. Plans and specifications are on file at office of Engineering News, New York. E. E. Greenwood, Skowhegan, Me., is Engr.

THREE RIVERS, MASS.—The following bids were opened on July 28 by the Bridge Com. of Palmer for constructing a 3-arch bridge over the Chicopee River at Bridge St.: W. N. Flynt Granite Co., of Monson, for all granite construction, $27,371; concrete, granite face, $23,300; John Donahue, of Springfield, $28,500 and $24,500; Daniel O'Connell's Sons, of Holyoke, $30,800 and $23,380. All the bids were rejected as larger than the amount appropriated, which is $18,000.

*SALEM, MASS.—Bids for furnishing and erecting a steel revolving drawbridge 122 ft. long and 35 ft. wide, over South River, Salem, will be received by the Committee on Streets, Bridges and Sewers of Salem until 5 p. m., Aug. 19. Rufus D. Adams is Chn.

WATERTOWN, N. Y.—The city contemplates the construction of a bridge over Black River. Estimated cost, $146,164.

NEW YORK, N. Y.—Bids were received as follows on Aug. 4 by the Department of Bridges for replacing floor beams, stringers, etc., on the steel superstructure of the Manhattan bridge over the East River between Boroughs of Manhattan and Brooklyn: Alamo Construction Co., $23,[illegible]; Daniels Co., 38 Park Row, $2[illegible]; Oscar Construction Co., $28,742; Northeastern Construction Co., $27,812; Cooper & [illegible], $29,345; Terry & Tench, $31,000; Penn Steel Co., $27,200; Snare & Trieste, $24,2[illegible].

*ALBANY, N. Y.—See Miscellaneous Contracts—Barge Canal.

EAST CREEK, N. Y.—Bids were opened on July 26 for the construction of a concrete steel arch bridge over Canada Creek between Herkimer and Montgomery Counties at East Creek, consisting of three arches each having a clear span of 80 ft. and a clear width of 20 ft. Contract has been awarded to PHILLIPS & TURNBALL, of Jacksonville, Fla., at $21,700. Charles Scott is County Supt.

McKEESPORT, PA.—The McKeesport & Mifflin Bridge Co., T. Frank Wolf, [illegible] McKeesport, will construct a bridge over the Monongahela River. Estimated cost $175,000. Hermann Laub, of Pittsburg, is Engr. Noted on Aug. 4.

ALTOONA, PA.—The citizens on July 26 voted to issue $25,000 bonds to pay one third of the cost of the new bridge over the tracks of the Pennsylvania R. R. Co. and the Altoona & Logan Valley Electric Ry. Co.

BUTLER, PA.—Bids are asked until Aug. 19 by the County Commissioners for the construction of several bridges. W. B. Scott is Clk.

BELLEFONTE, PA.—Bids will be received until Aug. 13 by the Board of County Commissioners, Jacob Wooding, Chn., for constructing two steel bridges with reinforced-concrete floors, one over Spring Creek in College Township and one over Bush Hollow Creek in Union Township and for a reinforced-concrete arch at each place.

ALLENTOWN, PA.—The Lehigh Valley R. R. Co. has released its property for the widening of the Hamilton St. bridge. The improvement will cost about $15,000, and will be borne by the railroads, the city and the county.

BALTIMORE, MD.—The Board of Awards, J. Barry Mahool, Pres., Baltimore, has rejected all bids for constructing the Seventh St. bridge over the tracks of the Western Maryland R. R., 90 × 66 ft., of steel incased in concrete. John E. Greiner, is Consulting Engr.

The State Roads Commission, John M. Tucker, Chn., has awarded contract to the WARREN BROS., 407 American Bldg., Baltimore, for the construction of a bridge over Herring Run at $60,752 for concrete or $39,950 for steel.

OAKLAND, MD.—The Barrett County Commissioners will construct two iron bridges across the Potomac River at Dobbin and Wilson.

RICHMOND, VA.—The Richmond, Fredericksburg & Potomac R. R. Co., C. W. Culp, Ch. Engr., Richmond, has plans for the construction of four overhead bridges at Cary St., Grove Road, Patterson Ave. and Broad St. at intersection of Belt Line. Structures are to be of reinforced concrete. Estimated cost, $180,000.

CLARKSBURG, W. VA.—Harrison County will construct a bridge across Indian Run and Simpson Creek and a viaduct across Elk Creek. Bids are asked until Aug. 13. W. Guy Tetrick is Clk. County Court.

PARKERSBURG, W. VA.—Contract for the repair of the Julian St. bridge has been let to the NELSON-MERYDITH CO., of Marietta and Pittsburg, at $8,000.

NEWTON, N. C.—The Commissioners of Catawba and Alexander Counties have awarded contract at $68,000 to the OSWEGO BRIDGE CO., Oswego, N. Y., for constructing a bridge across the Catawba River.

GREENVILLE, S. C.—The City Council has awarded contract for constructing a bridge over Reedy River to the CAROLINA CONCRETE CO., of Greensboro, at $31,000.

BIRMINGHAM, ALA.—The Southern Ry. Co., D. W. Lum, Ch. Engr., Washington, D. C., and other companies will present plans to the city officials for construction of a viaduct on First Ave. and 28th St., contemplating two structures to cost $800,000.

VICKSBURG, MISS.—The city, Vicksburg Street Ry. and Queen & Crescent Ry., W. V. Harvey, Supt., Vicksburg, will construct a viaduct over Cherry St. Estimated cost, $50,000.

NEWPORT, OHIO.—Bailey Morlige, City Engr., has completed plans and specifications for a viaduct 950 ft. long, 30 ft. wide, over the C. & O. and L. & N. R. R. tracks.

LANCASTER, OHIO.—Bids will be received until Aug. 23 by the Board County Commissioners, Lancaster, H. C. Belt, Clk., for constructing the steel superstructure of a bridge across Indian Creek, Richland Township, 54 ft. 6 ins. extreme length, clear roadway, 14 ft. with concrete floor; also steel superstructure for a bridge across Fetters Run, on East Sixth Ave., city of Lancaster, 60 ft. extreme length, 28 ft. width of roadway, center to center of trusses, with concrete floor. Separate bids, same time, will be received for the substructure of the Sixth Ave. bridge.

ST. CLAIRSVILLE, OHIO.—Bids are asked until 1 p. m., Aug. 15, by E. F. Shepherd, County Audr., for the erection of a reinforced-concrete substructure with concrete top bridge over Big Run, Mead Township.

*SPRINGFIELD, OHIO.—Bids are asked by the Director of Public Service until noon, Aug. 20, for constructing a bridge on East High St. Estimated cost, $18,000. William H. Mahoney is Clk.

NEW LEXINGTON, OHIO.—Bids are asked until 10 a. m., Aug. 12, by the Perry County Commissioners for the construction of the superstructure of a bridge at Saltillo. George T. Drake is County Audr.

EDWARDSPORT, IND.—The Commissioners of Knox and Daviess Counties on July 26 adopted the plans of J. S. Spiker for a 2-span bridge here. Estimated cost, $17,557.

LIBERTY, IND.—Bids will be received by the Board of County Commissioners at the office of Clinton Gardner, County Audr., Liberty, until Aug. 13 for constructing an arch concrete bridge over Kelly's branch near the Dunlapsville bridge in Liberty Township.

KOLZE, ILL.—The Cook County Commissioners on July 30 awarded contract to the JOLIET STEEL CONSTRUCTION CO., of Joliet, Ill., for the construction of a bridge, 140 ft. long, over the Desplaines River on Irving Park Boulevard near here. Estimated cost, $20,840.

JACKSON, ILL.—Bids are asked by the Commissioners of Highways and Committee on Bridges of the Board of Will County Supervisors, until Aug. 12 for constructing a bridge in Jackson Township on Chicago St. over Jackson Creek. Daniel N. Blatt is Town Clk.

RANDOLPH, MINN.—Bids will be received until Aug. 15 by William McElrath, Village Recdr., for the construction of a highway bridge across Club Creek, to consist of a 60-ft. pony truss span, with 16-ft. clear roadway, supported on plain concrete abutments with pile foundations or on I-beam abutments. L. P. Wolff is Engr., St. Paul.

KANSAS CITY, MO.—John Lyle Harrington has completed plans for the construction of a reinforced-concrete viaduct along 12th St. over the railroad tracks. The plans provide for a structure 2,325 ft. long, 64 ft. wide, with sidewalks 5 ft. wide. Estimated cost, $600,000.

ST. JOSEPH, MO.—The St. Joseph & Savannah Ry. Co. has awarded contract to H. A. KLEPPER, of Kansas City, for constructing the bridge across Dillon Creek. The structure will be 540 ft. long and 100 ft. above the creek bed. John H. Van Brunt, St. Joseph, is Pres.

SHERMAN, TEX.—Grayson County will construct from four to eight 60-ft. steel highway spans in Road District No. 1. J. C. Field is Engr-in-Charge, Denison, Tex.

DALLAS, TEX.—The city will construct a concrete bridge across the branch on Roseland Ave. J. M. Preston is City Engr.

NOWATA, OKLA.—Nowata County has voted $100,000 of bridge and road bonds.

FAIRVIEW, OKLA.—The Fairview & Oklahoma City Ry. Co., W. B. Noble, Gen. Mgr., will build a bridge across the canyon about 60 ft. and 15 ft. deep in connection with the proposed 4½-mile road from Fairview to Rusk, Okla.

SEATTLE, WASH.—The city is considering the construction of a bridge on University St. to be built above the tracks. Estimated cost, $5,000.

OLYMPIA, WASH.—The State Highway Board has awarded contract for the construction of the bridge over Stevens Creek, in Chehalis County, to W. G. HIATT, of Arlington.

CONCONULLY, WASH.—The County Commissioners have rejected the bids for a bridge over the Okanogan River at Omak and will receive new bids.

THOMASSON, CAL.—Contract for constructing the steel bridge over Suisun Creek, bids opened on July 18, has been awarded to C. H. GILDERSLEEVE, of Napa, at $4,250. Charles Wiese, of Fairfield, bid $6,485.

SAN JOSE, CAL.—Contract for constructing a reinforced-concrete bridge over Guadalupe Creek on Alameda Road, bids opened on July 25, has been awarded to L. M. SCOTT, of San Jose, at $4,380.

OROVILLE, CAL.—Two bridge improvements, to cost $5,000, have been decided on by the Board of Supervisors. Little Chico Creek will be spanned by a bridge and the long bridge west of Chico will be filled in. This work will be begun at once, the Board having passed the necessary authorization.

SAN DIEGO, CAL.—CHARLES STEFFGEN, Granger Bldg., has been awarded contract by the Supervisors for constructing the steel and wood bridge over the Sweetwater River, 100 ft. span, with 80-ft. trestle, at $4,110.

E. M. Copps, City Engr., is preparing plans for a steel suspension foot bridge to span the canyon on Spruce St., to be 450 ft. long, supported by two 1⅝-in. chilled steel cables, suspended from two steel towers and anchored on each side of the canyon in a mass of solid concrete imbedded in hardpan.

VISALIA, CAL.—Moree L. Weaver, City Engr., has received the following bids for the construction of concrete bridge sections of the Mill Creek Improvement project: Oscar Parlier, Tulare, $8,610; J. McNair Paving Co., San Diego, $11,982; J. Doyle, San Jose, $12,298; Continental Fireproofing Co., of Exeter, $12,445; Contra Costa Fireproofing Co., of San Francisco, $12,500; R. Keating & Son, of San Francisco, $12,536.80; M. C. Conshot, San Francisco, $12,720; Western Bridge & Construction Co., of Sacramento, $12,800; W. J. O'Brien, Reedley and Stockton, $12,940; Concrete Pipe & Construction Co., Porterville, $13,200. Awarded to OSCAR PARLIER.

NAPLES, CAL.—The Webber-Duller Co., Pacific Electrical Bldg., and the Union Iron Works submitted the lowest bids for the construction of three concrete bridges, one to be a combination railroad and highway bridge, 60 ft. long by 42 ft. wide, to be built by the Pacific Electric R. R. Co. and the Naples Co. The other two, to be highway bridges, 60 ft. long by 22 ft. wide, of reinforced concrete construction and single arch span. Estimated cost, $30,000. The three bridges will be erected at Naples. Mayberry & Parker are Engrs., Pacific Electric Bldg.

AULTMAN, ARIZ.—The bridge across the Verde River will be built here. Bids will be asked soon. The structure will be 300 ft. long. T. B. Girand is Territorial Engr., Phoenix.

JULIAETTE, IDAHO.—The County Commissioners are making preparations to construct a bridge across Potlatch Creek near here.

COATICOOK, QUE.—Contract for the 100-ft. reinforced-concrete arch over the Coaticook River has been awarded to HELMER & WINSTANLEY, of Morrisburg, Ont., at $5,000. Other bidders were W. J. Welch, Coaticook, $5,125; Laurentian Engineering & Construction Co., Montreal, $6,900.

BUILDINGS.

*(*Denotes that this work is advertised in Engineering News.)*

WEBSTER, MASS.—Bids are asked until 3 p. m., Sept. 14, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Webster.

BEVERLY, MASS.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Sept. 8, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Beverly.

BOSTON, MASS.—Bids are asked by R. C. Hallyday, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., Aug. 27, for constructing an addition to Building No. 32 (Commandant's office), U. S. Navy Yard, Boston, Mass. Specifications are on file at the office of Engineering News, New York.

CHELSEA, MASS.—Bids were received as follows on Aug. 4 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post-office at Chelsea: Wm. H. Fissell & Co., 1133 Broadway, New York, $81,900; Conroy Bros., Inc., 217 West 125th St., New York, $69,840; Charles H. Peckworth, 415 Hudson St., New York, $81,768; M. P. Wells, Witherspoon Bldg., Philadelphia, $74,719; Conners Bros. Co., Lowell, Mass., $80,100; Wheaton Building & Construction Co., Putnam, Conn., $79,890; Norcross Bros. Co., Worcester, Mass., $98,300; Woodbury & Leighton, 166 Devonshire St., Boston, Mass., $81,360; Noel Construction Co., German and Calvert Sts., Baltimore, $76,900; J. E. & A. L. Pennock, Land Title Bldg., Philadelphia, $75,387; Ambrose B. Stannard, St. James Bldg., New York, $77,000.

WOBURN, MASS.—Bids were received as follows on Aug. 9 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post-office at Woburn, Mass.: Charles W. Peckworth, 415 Hudson St., New York, $56,565; Woodbury & Leighton, 166 Devonshire St., Boston, $53,971; Norcross Bros. Co., Worcester, Mass., $61,000; Conroy Bros., Inc., New York, $59,638; Conners Bros., Lowell, Mass., $55,500; Westchester Engineering Co., New York, $54,680; Ambrose B. Stannard, St. James Bldg., New York, $55,000.

STAMFORD, CONN.—The V. J. HEDDEN & SONS CO., 1 Madison Ave., New York, has secured the contract for the erection of the proposed Ferguson library building at Stamford, to cost approximately $61,821. The building will consist of a central section, two stories high, with a 1-story wing on either side, with basement. It will be of fireproof construction, with steel frame and copper roof. The exterior will be built of marble to the water table and red brick and marble trim above. The lighting will be by electricity and the heating by hot water. Schuyler Merritt is Chn. of Bldg. Com.

BUFFALO, N. Y.—Robt. J. Reidpath, Arch., Builders' Exchange Bldg., is preparing plans for a 10-story and basement warehouse, 100 × 580 ft., to be erected at Van Rennsaeler and Exchange Sts., and the Erie R. R., by the Larkin Soap Co. The building will be of steel frame and brick construction. Estimated cost, $600,000.

G. Morton Wolfe, Arch., 845 Ellicott Sq., Buffalo, has completed plans for a 2-story and basement warehouse and office building, 45 × 160 ft., of brick and steel, to be erected on Chandler St., near Military Road, by the Keystone Mfg. Co. Charles A. Haist, Pres., 51 Chandler St.

W. S. Brickel, Arch., 575 Ellicott Sq., Buffalo, has completed plans and is receiving bids for a 4-story and basement apartment house, 60 × 106 ft., to be erected at 1141 Delaware Ave., by Washington B. French, 23 Bidwell Parkway. The materials to be used are stone, brick and steel. Estimated cost, $90,000. +

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply until 3 p. m., Sept. 6, for the erection af new truck house at the southeast corner of Marshall St. and Delaware Ave., in this city. Marcus T. Reynolds, 100 State St., Albany, is Arch. Isidore Wachsman is Secy. of Bd.

FOREST HILLS (Jamaica post-office), N. Y.—Grosvenor Atterbury, Arch., 20 West 43d St., New York, has plans for the hotel to be built at Forest Hills by the Sage Foundation, of which Mrs. Russell Sage is the head. The hotel is to be built in conjunction with the modern homes which the Sage Foundation is building at Forest Hills for workingmen. It will have three wings, 245 × 218 × 35 × 54 ft. The main wing is to be eight stories, the second wing five stories and the third wing three stories. Construction will be fireproof, steel skeleton filled with reinforced concrete, brick and terra cotta. A roof garden is planned for. It is probable that operations will be started at once. See item under Sewers.

PLATTSBURG, N. Y.—The contract for the construction of the Champlain Hotel at Lake Champlain has been awarded by the Delaware & Hudson Co. to RAYMOND M. BOOTH, Harmony Hall Bldg., Troy, N. Y. The building will be about 380 ft. long, with two stories and attic, and will be fireproof, with concrete floors throughout the structure. The roof will be of red tile. R. M. BOOTH also has the contract to rebuild the Fort William Henry Hotel at Lake George, N. Y., for the same company. The cost of the Champlain Hotel will be about $300,000, while the Fort William Henry Hotel will cost about $200,000. Plans for the buildings have been drawn by Hartberg, Ludlow & Peabody, Archs., of New York. C. S. Sims is Vice-Pres. of the Delaware & Hudson Co.

LAKE GEORGE, N. Y.—See Plattsburg, N. Y.

AMSTERDAM, N. Y.—Bids were received as follows on Aug. 8 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post-office building at Amsterdam, N. Y.: Ambrose B. Stannard, St. James Building, New York, $63,000; Norcross Bros. Co., Worcester, Mass., $71,500; West Chester Engineering Co., 39 East 42d St., New York, $60,580; M. P. Wells, Witherspoon Bldg., Philadelphia, $66,619; William H. Fissell & Co., New York, 1133 Broadway, New York, $65,490; Conroy Bros., Inc., 217 West 125th St., New York, $66,800; Conners Bros., Lowell, Mass., $64,700.

PERRYSBURG, N. Y.—John H. Coxhead, Arch., Ellicott Sq. Bldg., Buffalo, N. Y., has completed plans for a turberculosis hospital, comprising three buildings, each 40 × 120 ft., two stories and basement, of brick, stone and structural iron, to be erected here at an estimated cost of $120,000. Bids will be received by Francis G. Ward, Comr. of Public Works, Room 1, City and County Hall, Buffalo.

NEW YORK, N. Y.—Bids are asked by Michael J. Drummond, Comr. of Dept. of Public Charities, until 2.30 p. m., Aug. 15, for providing all labor and materials required for the interior furnishing, cold storage, fixtures and all other work for the entire completion (except laboratory and the like apparatus) of a morgue for the Metropolitan Hospital District, Blackwell's Island.

St. George's Episcopal Church, Stuyvesant Sq., has purchased for $32,000 a 4½-story brownstone dwelling fronting the square immediately adjoining the church on the north. The church is having plans drawn for a morning chapel that will cost $50,000. Dr. Hugh Birckhead is Rector; J. Pierpont Morgan is Senior Warden.

A permit to demolish the old 5-story buildings at the northwest corner of Broadway and Reade St., where the East River Savings Institution is to erect an office building, in which it will have its quarters, has been issued to wreckers by the Building Bureau. The new building will be erected from plans by Clinton & Russell, Archs., 32 Nassau St., by the GEORGE A. FULLER CO., Fuller Bldg.

The 4-story, old fashioned brick building at Nos. 137 and 139 West 30th St., occupied for 41 years as a police station, is to be torn down. The permit for the demolition has been issued to H. Strassler by the Superintendent of Buildings. The city is planning to build a headquarters for Traffic Squad C on the site. This squad now has its quarters at No. 1 East 27th St., and its horses are stabled on the East Side. The new building will include both the squad's office and stables.

NEW YORK, N. Y.—We are officially advised that the New York, Westchester & Boston Railway Co. has filed plans for nine stations, to be located at White Plains Road, Morris Park, Pelham Parkway, Gun Hill Road, Baychester Ave., and Dyer Ave., all in the Bronx; Kingsbridge Road and East Sixth St., in Mount Vernon. The new road crosses the tracks of the New York, New Haven & Hartford at the Columbus Ave. Station at a height of 24 ft. Above New Rochelle the location of the stations has not yet been fully decided upon. It is planned, however, to have stations at Lincoln Ave., New Rochelle Ave., North St., Quaker Ridge, Palmer Ave., Ridgeway Road and Mamaroneck Ave. At White Plains the road will connect with the Westchester & Northern Railroad at Westchester Ave. Mace Moulton, 22 William St., is Ch. Engr.

A 12-story apartment house will be erected at West End Ave. and 98th St., from plans by Schwartz & Gross, Archs., 347 Fifth Ave. The facade of the building will be of brick, with limestone and terra cotta trimmings, with a frontage of 75.8 ft. on the avenue by 90 ft. in the street, where the entrance will be. There will be accommodations for 25 families, and the cost is estimated at $375,000. The Salisbury Realty Co., Edgar A. Levy, Pres., is the owner.

Plans have been filed by H. F. Ballantyne, Arch., 244 Fifth Ave., for a 5-story school and store for the Packard Commercial School, of East 23d St. The building is to be built at the southeast corner of Lexington Ave. and 35th St., with a frontage of 46.82 ft. on the avenue by 125 ft. in the street, with an extension in the rear. The facade is to be of brick, with granite and Indiana limestone trimmings. There are to be stores on the ground floor. The cost of the building is placed at $250,000.

Plans have also been filed for a 6-story elevator apartment house to be erected on the south side of 149th St., 100 ft. east of Amsterdam Ave., for the Fluri Construction Co., George V. Fluri, Pres. The building will have a frontage of 75 ft. and a depth of 86.11 ft., and will have accommodations for 37 families. The cost is estimated at $125,000. Neville & Bagge, 217 West 125th St., are Archs.

NEW YORK, N. Y.—Bids are asked by the Department of Docks and Ferries, until noon, Aug. 17, for contract No. 1225, for preparing for and building a steel freight shed with appurtenances, on the pier and adjacent bulkhead at the foot of West 131st St., Boro. of Manhattan.

Bids are asked by the Department of Docks and Ferries, until noon, Aug. 18, for Contract No. 1216, for constructing offices and appurtenances, toilets, etc., on the third floor of the 39th St. ferry house, near the foot of Whitehall St., Boro. of Manhattan.

Plans have been filed for a 5-story brick apartment house, 50 × 81 ft., for Higgins & Stanton, 872 Macy Pl. The building will cost $50,000 and will be built at the southwest corner of Macy Pl. and Hewitt Pl. Moore & Landseidel, 148th St. and Third Ave., are Archs.

Excavating has been started at the northeast corner of Jennings St. and Wilkins pl. for three 5-story store and apartment houses, 50 × 100 ft., to cost $120,000. M. Gruenstein, 230 Grand St., is owner. C. B. Meyers, 1 Union Sq., is Arch.

NEW YORK, N. Y.—Bids are asked by Michael J. Drummond, Comr. of Dept. of Pub. Charities, until 2.30 p. m., Aug. 19, to point up the outside walls and to put in new slate roof on the old portion of the New York City Training School for Nurses, City Hospital, Blackwell's Island, the City of New York; to lay new flooring and drains in the main kitchen at the Metropolitan Hospital, Blackwell's Island, the City of New York.

Five apartment houses, to be erected on the south side of 183d St., with corners on Bathgate and Third Aves., the Bronx, are being planned by Louis Charles Maurer, 1493 Broadway, for the Alexander Development Co., 198 Broadway, John J. Vause, Pres. The depth of the lots on the avenue is 92 ft. by 238 ft. on the street. The interior finish will be of hardwood, parquet floors, open plumbing and iron enameled fixtures, marble halls and vestibules, steam heat and hot water supply, electric lights, etc. The facade will be limestone and white faced brick, with ornamental Spanish tile roof. The corner building on Third Ave. will have a cafe, grill room and four bowling alleys in the basement. The buildng will be five stories high.

A permit has been obtained by the Orpheum Co. for the erection of the new theatre in Brooklyn, at Broadway, Howard Ave., Monroe and Madison Sts. It will be a 4-story structure, covering a site 130.7 × 200 ft., and is estimated to cost $500,000.

NEW YORK, N. Y.—Alexander Stevens, Arch. for the City of New York Fire Department, 157 East 67th St., is preparing preliminary plans for several engine houses to be erected in Manhattan. One will be erected at 191 Fulton St., three stories, of brick and limestone, to cost about $63,000; one at Dyckman St. and Broadway, three stories; one at Prospect Ave. and 152d St., three stories, to cost $50,000; and one in the Bronx at Bailey Ave. and the Boston Road, three stories, 30 × 80 ft., to cost $80,000. The department will advertise for bids soon.

Foundations are being constructed for the 11-story brick, stucco and terra cotta publishing house addition, 66 × 113 ft., which the McGraw Publishing Co. is to erect at 243-249 West 39th St., at a cost of $200,000. The HEDDEN CONSTRUCTION CO., 1 Madison Ave., has the general contract. Jackson & Rosencrans, 1328 Broadway, are Archs.

The Salisbury Realty Co., 505 Fifth Ave., will soon award sub-contracts for the 12-story apartment house, 75.8 × 90 ft., to be erected at the southwest corner of West End Ave. and 98th St., to cost $375,000. Schwartz & Gross, 347 Fifth Ave., are Archs.

Herts & Tallant, Archs., 113 East 19th St., will be ready to receive bids on the general contract about Aug. 15, for the 3-story fireproof theatre, 70 × 90 ft., to be constructed by the Forty-Sixth Street and Broadway Realty Co., at 206-212 West 46th St., at a cost of about $200,000. The members of the company include W. J. Solomon, Pres.; Jacob Weitheim, Treas., and P. W. Herzog, Secy. Henry B. Harris and Jesse L. Lasky, 139 West 44th St., are the lessees.

NEW YORK, N. Y.—The mason contract has been awarded to A. E. KLEINERT, 16 Court St., Brooklyn, for a 6-story brick concrete and stone, store and warehouse, 41 × 97 ft., to be erected at 55 Flatbush Ave., Brooklyn, to cost about $100,000. The Moyer Engineering & Construction Co., 375 Fulton St., Brooklyn, are Consulting Engrs.

The A. C. & H. M. Hall Realty Co., Broadway and 112th St., has purchased the southwest corner of West End Ave. and 92d St., 137 × 175 ft., and will erect a 12-story elevator apartment house. No plans have yet been prepared or architect selected.

The Usona Construction Co., 989 Southern Boulevard, is ready for bids on separate contracts and materials for the three 5-story tenements, 39 × 68 ft., to be erected on the east side of Longfellow Ave., 41 ft. north of Bancroft St., to cost $84,000. C. S. Shumway, 989 Southern Boulevard, is Arch.

Henry Clews, 15 Broad St., probably will erect an artist's studio building to cover the block front on Fifth Ave., between 103d and 104th Sts., extending back 150 ft. in both streets. The Fifth Ave. facade will contain the main entrance, and a large central court laid out in flower beds and shrubbery. As planned, the building will not be more than one story in height, in exterior, with three mezzanine floors. H. G. Knapp is Arch., 5 East 42d St.

WILLIAMSPORT, PA.—The contract for the business block to be erected by Kolb Bros. on East Third St. has been awarded to JACOB GEHRON & SONS.

PHILADELPHIA, PA.—W. W. Keen has purchased the three store properties at 1727, 1731 and 1733 Chestnut St. The adjoining property, 1729 Chestnut St., is owned by Dr. Keen's wife. The four are 79 × 120 ft., and on them will be erected an office building, to cost $500,000.

Cornelius Kiely has bought plots, 125 × 90 ft. and 100 × 84 ft., on Tenth St., north of Duncannon. He now owns property on both sides of Tenth St., from Fisher's Lane to Duncannon. Dwellings, costing $125,000, will be built.

A contract has been let to JOHN McSHAIN, 54th and Vine Sts., for the erection of the superstructure of Our Lady of Victory Catholic Church, 54th and Vine Sts. The foundations are completed. The church will be of granite, 100 × 168 ft., and will cost $150,000. Rowland W. Boyle, Arch., 1626 Chestnut St.

A. RAYMOND RAFF, 1635 Thompson St., has been granted a permit for the erection of the proposed Bethany Temple Presbyterian Church, 53d and Spruce Sts. It will be a Gothic style structure, 84 × 110 ft., and will cost $44,000. George E. Savage is Arch., Provident Bldg.

Horace Trumbauer, Arch., Land Title Bldg., has invited estimates for the erection of a $500,000 addition to the Union League Club. It will be five stories high, of Indiana limestone and will measure 100 × 113 ft. The ground floor will be used as a restaurant and cafe, with the kitchens and refrigerating plant in the basement. On the main floor will be the banquet hall and dining rooms,

and the other floors will contain 75 bedrooms and as many baths. Bids are due Aug. 11.

Approximately 260 properties in the vicinity of 52d and Market Sts. have been purchased by a syndicate headed by George H. Earl, Pres. of the Real Estate Trust Co., Felix Isman and Mastbaum & Fleisher. It is reported that the owners of a New York department store will erect a department store at 52d and Market Sts. All the unimproved properties will be improved with modern fronts at a cost of $400,000.

Cope & Stewardson, Archs., 320 Walnut St., have awarded the contract for the $75,000 addition to the Veterinary Department of the University of Pennsylvania, 39th St. and Woodland Ave., to WILLIAM R. DOUGHERTY, 1604 Sansom St. It will be three stories, 97 × 32 ft.

J. F. Bradley has prepared plans for J. F. Maguire for a $200,000 apartment house to be erected on King St., Germantown. It will be six stories high, 202 × 166 ft., containing 90 suites of two and three rooms each.

The Fire Association of Philadelphia, 407 Walnut St., will build a $200,000 office building at the northwest corner of Fourth and Walnut Sts., it is stated.

PITTSBURG, PA.—Plans have been completed by D. Simpson & Co., Archs., for the erection of buildings to cost over $50,000 in the 350-ft. square bounded by Euclid Ave. Federal St. extension, McKee Pl. and Chester Ave., in the Perrysville Ave. district, Northside, recently purchased by C. A. Robbins. The property was formerly held by the Murray Boyd Estate. The plans call for the erection of 16 solid brick five and 6-room apartments with baths, a store and two larger apartments. Ground will be broken for the buildings at once.

PITTSBURG, PA.—It is reported that the THOMPSON-STARRETT CO., 49 Wall St., New York, has been awarded the contract to construct a residence, for Howard Heinz, on Morewood Heights, Shadyside. The house is to be of fireproof construction, with a brick and stone exterior, and is to be completed by May 1, 1911. When ready for occupancy it will represent an investment of about $100,000.

*FORT DU PONT (Delaware City post-office), DEL.—Bids are asked by the Constructing Q. M., Fort Du Pont, until 11 a. m., Sept. 6, for constructing a brick quartermaster's workshop and moving and enlarging frame ordnance shop at Fort Du Pont.

BALTIMORE, MD.—JOHN K. McIVER, 301 North Charles St., has been awarded the contract to erect a residence at 1825 North Charles St. for the Owners' Realty Co. from plans by E. O. Lohmeyer, Baltimore. It will cost $40,000.

Bids will be taken at once for the proposed 3-story public school to be erected at Ann St. and Canton Ave. from plans by A. Cookman Leach, 323 North Charles St., which will cost $115,000. The building will be of brick and stone construction. C. L. Reeder, Equitable Bldg., is the Engr.

Dr. J. R. Hemmetter, 1734 Linden Ave., has commissioned Robert C. Ullrich, Arch., Gunther Bldg., Baltimore, to prepare plans for his proposed residence to be erected in University Parkway, Roland Park. It will be constructed of brick with stone trimmings and will be 2½ stories, 52 × 52 ft. Cost, $40,000.

The Public Bath Commissioners have selected from the competitive plans the design submitted by Theodore Wells Pietsch, Arch., American Bldg., for the public bath house in South Baltimore, which will be erected as a gift of Henry Walters. The building will accommodate all the bathing facilities as well as a public laundry and comfort station. The working drawings are now in course of preparation, and proposals from contractors for the erection of the building will be called for soon.

BALTIMORE, MD.—The ENGINEERING CONTRACTING CO., 502 St. Paul St., has been awarded the contract for a department store at Eutaw and Saratoga St., for Albert Brager, from plans by C. M. Anderson, 324 North Charles St. The building will be constructed of brick, with a slag roof, steam heating, electric lighting, plumbing and plate glass front. The contracting company recently awarded the contract for the demolishing and excavating of the present building.

L. C. HILDEBRAND & BRO., Law Bldg., Baltimore, have been awarded the contract to erect a warehouse at 1041 Light St. for Besche Bros., 1041 Light St., from plans by Henry J. Tinley, 314 North Charles St. It will cost $40,000.

BALTIMORE, MD.—The contract for the construction of the U. S. Fidelity & Guaranty Co.'s building at German and Grant Sts., has been let to the NOEL CONSTRUCTION CO., German and Calvert Sts., Baltimore, $121,000. It was officially announced at Baltimore and noted in last week's issue that this contract was let to the Engineering Contracting Co., of Baltimore, at $108,000. Otto G. Simonson, American Bldg., Baltimore, is Arch.

*FORT MUNROE, VA.—Bids are asked by Capt. Ernest R. Tilton, Constr. Q. M., until 10 a. m., Sept. 9, for constructing a band mess and shop building, including plumbing, heating and electric wiring and fixtures. For convenience of bidders in and near New York plans and specifications may be seen in the office of the Chief Quartermaster, Department of the East, Governor's Island, New York.

ATLANTA, GA.—Bids are asked by R. V. La Dow, Supt. of Prisons, Washington, D. C., until 10 a. m., Aug. 23, for furnishing and delivering at the U. S. penitentiary at Atlanta, Ga., enameled brick to be used in the inner facing of the walls of the main cell wings.

MACON, GA.—The GRIFFIN CONSTRUCTION CO., of Atlanta, has been awarded the contract to erect the Georgia Life Insurance Co.'s proposed 11-story building. The structure will cost approximately $200,000. Norman, Hentz & Reid, of Macon and Atlanta, are Archs. The Georgia Life Co. will occupy all of the second floor, and the other upper floors will be given over to offices. Work will be started at once and completed in a year.

*WAYCROSS, GA.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Sept. 15, for the construction (including plumbing, gas piping, heating apparatus and electric conduits and wiring) of the U. S. post-office at Waycross, Ga.

DEMOPOLIS, ALA.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has rejected all bids received on July 18 for the construction of a post-office at Demopolis, as being in excess of the appropriation. Noted on July 21.

*HARRIMAN, TENN.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Sept. 16, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Harriman, Tenn.

LOUISVILLE, KY.—The work of razing two buildings at Fourth Ave. and Breckinridge St., the site of the proposed First Christian Church, has been started and as soon as the ground is cleared the work of constructing the church will begin. The contract for the bulk of the work on the new building has been awarded by the Building Committee to BAILEY & KOERNER, and when completed will represent an outlay of about $225,000, $60,000 of which was spent for the site and the remainder of which will be put in the building and furnishings. Several other contracts are yet to be let. The building is to be completed by October, 1911.

COLUMBUS, OHIO.—Nichol & Carr, of Columbus, were the low bidders for the erection of a freight house for the Toledo & Ohio Central Ry. Co. on West Broad St. and was awarded the contract at $64,300. J. A. Stocker is Ch. Engr., Columbus.

Bids were received on Aug. 3 for the construction of the Ohio National Bank Building at the southwest corner of High and Town Sts. as follows: E. K. Hibbs, Columbus, $253,000; William Watson, Columbus, $243,668; Andrew Bros., Cleveland, $238,950; Conners Bros., Lowell, Mass., $236,000; C. Everett Clark Co., Chicago, $231,332; Westlake Construction Co., St. Louis, $229,700; D. W. McGrath, Columbus, $228,000; George Baker Long, Chattanooga, Tenn., $225,000; George A. Abernathy, Columbus, $224,467; Selden-Breck Construction Co., St. Louis, $223,283; Luyster & Lowes, Dayton, Ohio, $213,150; JAMES STEWART & CO., 30 Church St., New York, $212,500 (awarded contract). The work of construction will be started at once. Richards, McCarty & Bulford are Archs, The Ruggery.

Merriott & Allen, Archs., Clinton Bank Bldg., supervising the general reconstruction of the Ohio Penitentiary, have been authorized to advertise for bids for the construction of a dining hall at a cost of $160,000. The building now located north of the hospital on the east side of the yard will be torn down to make room for the new structure, which will be two stories in height and will include a cold storage department in the basement, kitchen and dining room on the first floor and a bakery on the second floor. Work will be started as soon as the contract is awarded.

AKRON, OHIO.—The AKRON STORAGE & CONTRACTING CO. (George Crisp & Sons) has been awarded the contract for the construction of the high school building to be erected at Thornton and Coburn Sts. The bid was $161,932. Other bidders were George W. Carmichael & Co., $165,617; John Crisp & Son, $171,190; George B. Long, $175,800.

WEST ALEXANDRIA, OHIO.—HARRY KARG, of Westerville, Ohio, has been awarded the contract to erect a 3-story high school building at his bid of $46,400. The building will be of brick and stone semi-fireproof construction. The contract for the heating and ventilating system has been awarded to the COLUMBUS HEATING & VENTILATING CO., at $5,500. Howard & Merriam, Capitol Trust Bldg., Columbus, are Archs.

GARY, IND.—The contract for 210 houses to be built for employes of the American Bridge Co., the plant of which is in course of construction at Gary, has been awarded by D. F. Creighton, Arch., to W. A. SONGER, of Ambridge, Pa. The houses will be of various styles of architecture and will range in cost from $3,000 to $4,000. The total estimated cost is $1,000,000. Work will be started immediately so as to have the majority of them complete by Jan. 1, as the bridge plant is to be in operation by that time.

LA FAYETTE, IND.—The School Board has awarded a contract for the construction of a new school building on Elizabeth and Ninth Sts. to E. C. GERHARD BUILDING CO., Victoria Bldg., St. Louis, Mo., at $153,713. The contract for the heating and ventilating has been let to the KAUFFMAN HEATING & ENGINEERING CO., of St. Louis, at $42,169; the plumbing and sewering to the WALLACE BROTHERS, of La Fayette, at $8,322; the electrical work to F. H. CHEYNE, of Indianapolis, at $4,495, and the heat regulation to the JOHNSON SERVICE CO., of Chicago, at $4,220. J. B. Ittner, Board of Education Bldg., St. Louis, is Arch.

ELKHART, IND.—The Chicago, South Bend & Northern Indiana Traction Co., of South Bend, is asking for bids for the construction of two combined freight and passenger stations, one in Elkhart and one in Niles, Mich. Samuel T. Murdock, Lafayette, Ind., is Secy. and Gen. Mgr.

DETROIT, MICH.—D. H. Burnham & Co., Archs., 9 Jackson Boulevard, Chicago, Ill., are taking figures on a 20-story bank and office building, 150 × 130 ft., to cost $2,000,000, for the Dime Savings Bank, William Livingston, Pres., Fort and Griswold Sts. The building is to be of granite, brick, structural iron and will be fireproof. Estimates will be received by the architects until Aug. 13.

FLINT, MICH.—H. B. Clement, Tolsma Bldg., Detroit, will take figures at once on a chapel, 65 × 110 ft., for the First Presbyterian Church of Flint. The church is to be constructed of paving brick with galvanized iron cornice, structural iron, hardwood finish and floors, ceramic tile and electric fixtures.

Clark & Munger, Shearer Bros. Bldg., Bay City, Mich., have let the general contract for the Dort School for the Board of Education of Flint, Mich., Thomas Doyle, Pres., 520 North Saginaw St., to BURKE, SMITH & NELSON, Muskegon, Mich. The building will be of brick and stone, two stories high and 94 × 137 ft.

Anten & Bickel, Loyal Guard Bldg., will soon take figures on a 3-story and basement warehouse, 51 × 60 ft., for the George W. Hubbard Hardware Co., 313 South Saginaw St. The building will be brick and mill construction.

CHICAGO, ILL.—D. H. Burnham & Co., Archs., 9 Jackson Boulevard, will prepare plans, it is stated, for the proposed building for the Chicago Board of Trade. Estimated cost, $5,000,000.

The Dwight Bros. Paper Co. has entered into a contract with A. J. Franks, who owns the property at 366 to 376 South Clark St., by which he will build for their occupancy a 10-story fireproof building to cost approximately $250,000. Construction of the building will begin within 60 days. Plans are now being prepared by Schmidt, Garden & Martin, Archs., 172 Washington St. The land has an east front 150 ft. south of Harrison St., and has a frontage of 125.75 ft. and a depth of 103 ft. to an alley.

A 10-story apartment building, to cost $400,000, is to be built by Benjamin H. Marshall, of Marshall & Fox, Archs., First National Bank Bldg., on property purchased by him on Lake Shore Drive, 400 ft. east of Lincoln Park Boulevard.

Max Goldstine of Milwaukee, Wis., has purchased the property at the southeast corner of West Madison and Jefferson Sts., 17.75 × 100 ft., to an alley, from William S. Herbert, of Pasadena, Cal. The land is occupied by an old 2-story frame and brick building. It is the intention of Mr. Goldstine to construct at this location a 6 or 7-story building soon, to cost $150,000.

LITCHFIELD, ILL.—Bids were received as follows on Aug. 3 by James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, for the construction of a post-office building at Litchfield, Ill.: W. M. Allen Construction Co., Peoria, Ill., $55,960; Hiram Lloyd Building & Construction Co., St. Louis, Mo., $59,227; Culver Construction Co., Springfield, Ill., $49,717; McHenry-Beatty Co., East Liverpool, Ohio, $55,769; Conners Bros. Co., Lowell, Mass., $65,100; Barnes Bros., Logansport, Ind., $57,200; Harmon Bros., Williamsport, Pa., $61,000.

FARIBAULT, MINN.—The State Board of Control, Charles Halvorson, Chn., St. Paul, will receive bids soon for the general construction of the pressed brick and cut stone Boys' Custodial building to be built at the State School for the Feeble Minded at Faribault. It will be one story high, 42 × 235 ft., having a slate roof and reinforced concrete foundation and floors. C. H. Johnston is Arch., 715 Capital Bank Bldg. Cost $50,000.

CLINTON, MO.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Sept. 22, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the U. S. post-office at Clinton, Mo.

LEXINGTON, MO.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Sept. 12, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Lexington, Mo.

ST. LOUIS, MO.—A building will be erected on Broadway. It will immediately adjoin the Times building on the north, will have a frontage of 42 ft., and will be 14 stories high. It will cost more than $250,000 and will be fireproof. C. L. Gray, Pres. of the C. L. GRAY CONSTRUCTION CO., Victoria Bldg., St. Louis, is interested. He takes a 99-year lease on the ground from C. L. Nelson, the owner. His company will construct the building and will begin work razing the present structure within the next week or ten days. Isaac S. Taylor, Arch., has prepared plans and specifications for the structure. They follow closely the architectural lines of the Times building. It is intended to connect the new structure with the old one at every floor and for the German-American Press Association to take the lower floors of the new structure. The building will be ready for occupancy by Nov. 1 next.

GALVESTON, TEX.—Bids are asked by Alfred Hampton, Inspector in Charge, Immigration Service, Galveston, until 2 p. m., Aug. 31, for furnishing all the labor and materials involved in the construction of the U. S. immigration station on Pelican Island, Galveston Harbor. George B. Stowe, 212 22d St., Galveston, is Arch.

*TULSA, OKLA.—On Sept. 6, with the object in view of employing an architect, the Board of County Commissioners of Tulsa County, Okla., will consider sketches and estimates for a county court-house and county jail to be erected on the site known as the Peryman Block, in the City of Tulsa, Okla. The court-house to be built of reinforced concrete or steel and concrete and to be fireproof. It is to face the west and south and to be 120 × 120 ft., with full size basement, ground floor, second floor and jail on third or top floor. To have court rooms for District, Superior, County and Justice court, and rooms for the various other county officers. The estimated cost of court-house is not to exceed $200,000, including heating, plumbing (for hot and cold water in all rooms and gas) and wiring for electricity. The cost of jail is not to exceed $25,000, with all jail fixtures complete.

SEATTLE, WASH.—The contract for the construction of the Bellingham armory, for which the Legislature appropriated $75,000, has been let to GEORGE McKENZIE, of Everett, Wash., at about $56,600.

LONG BEACH, CAL.—Plans for a 9-story building of concrete have been prepared by W. L. Porterfield, who is endeavoring to promote such a structure on the Westminster property, west of the pier. The building, as planned, would contain 400 rooms and would cost $500,000.

MONTREAL, QUE.—Contracts have been awarded for the construction of the annex to the Windsor Street Station of the Canadian Pacific Railway. The contract for the steel work was awarded to the DOMINION BRIDGE CO., Montreal, at about $250,000, according to the Montreal "Gazette." The foundations are now ready, and work will start at once on the steel part of the building, which is to be completed by April 30, 1911. The masonry and general contract for the building was awarded to C. E. DEAKIN, 11 Sacramento St., at a price a trifle less than $1,000,000. Work will be proceeded with as fast as progress with the steel framework will permit, and it is expected that the general construction work will be completed by November of next year. In addition to this there will be a large amount of lesser work to complete the station for occupancy, which will bring its cost above the foundations to the neighborhood of $1,500,000.

WINNIPEG, MAN.—J. D. Mc ARTHUR, contractor, will erect a warehouse, costing $51,000 on McDermott Ave., between King and Princess Sts.

WINNIPEG, MAN.—The contract for the hotel to be built by the McLaren Bros., of the Strathcona Hotel, at the northwest corner of Main and Rupert Sts., to cost $175,000, has been let to C. W. SHARP & SON. The hotel will be seven stories high and will extend 70 ft. on Main St. and 132 ft. on Rupert St. There will be 161 rooms for the accommodation of guests.

WATER SUPPLY—IRRIGATION.

(*Denotes that this work is advertised in Engineering News.*)

GREENFIELD, MASS.—On July 26 it was voted to provide $75,000 for the construction of a distributing reservoir on Rocky Mountain. Charles C. Dyer is Water Comr.

NORTON, MASS.—We are officially advised that the Norton Water Co., of Norton, recently organized, is making investigations for a ground water supply, and it is intended to construct a system for domestic use and fire service during the present season. A. H. Sweet, of Norton, is Pres.; Henry A. Symonds, 79 Mill St., Boston, Mass., is Engr.

PITTSFIED, MASS.—The State Board of Health has approved plans, it is reported, for the construction of a reservoir on Mill Brook.

LAKEWOOD, R. I.—The town is considering the construction of a water supply system. Estimated cost, $40,000.

NEW YORK, N. Y.—On July 29 the Board of Estimate granted the request of Henry S. Thompson, Comr. Water Supply, Gas and Electricity, for an appropriation of $2,200,000 for the completion of the eastern basin of the Jerome Park reservoir and for additional work required for the foundations for the filter plant.

*PERRY, N. Y.—We are officially advised that bids were received on July 28 by the Board of Commissioners for furnishing and erecting a 2,000,000-gallon, cross-compound crank and flywheel Corliss condensing pumping engine. Contract was awarded on Aug. 2 to the LAIDLAW-DUNN-GORDON CO., 115 Broadway, New York.

*CANAJOHARIE, N. Y.—Bids for the construction of a water system will be received until 3 p. m., Aug. 25, by the Municipal Board. The work consists of the following: Intake, laying ten miles of 8-in., 10-in. and 12-in. wood stave pipe; distribution reservoir; laying 1½ miles of 12-in. c.-i. pipe, and the necessary appurtenances to the work.

Bids for furnishing wood stave and c.-i. pipe to the village will be received until 2 p. m., Aug. 25, by the Municipal Board. The work consists of the following approximate quantities: Ten miles of 8, 10 and 12-in. wood stave pipe; three tons of c.-i. specials; 356 tons of c.-i. pipe; five tons c.-i. specials. Vroorman & Perry are Engrs., Canajoharie. Plans and specifications are on file at the office of Engineering News, New York.

HORNELL, N. Y.—The Board of Public Works has approved the plans of the Supt. of Public Works for the construction of a storage reservoir. Estimated cost, $55,000.

ROCKVILLE, CENTER (L. I.), N. Y.—The Village Trustees are about to let a contract for either a steam or electric pump of 1,000,000 gallons capacity.

*BATAVIA, N. Y.—Contract for constructing concrete dam, bids opened on July 23, has been awarded to the HERBERT ENGINEERING CO., Easton, Pa., at $6,100. R. A. Wentworth is Engr. Noted on Aug. 4.

*ALBANY, N. Y.—See item under Miscellaneous Contracts—Barge Canal.

*HIGH BRIDGE, N. J.—Bids will be received by L. W. Dorland, Boro. Clk., until Aug. 25 for constructing an addition to the water-works, including furnishing and laying about three miles of gravity main, constructing catchment reservoir, and enlarging distributing reservoir, etc. F. S. Tainter, 1 Newark St., Hoboken, is Engr.

CONWAY, PA.—The city has voted to construct a municipal water-works system. Cost, $20,000.

NEWBURG, W. VA.—The Baltimore & Ohio R. R. Co. has awarded contract to CHARLES A. SIMS & CO., Harrisburg and Pittsburg, Pa., for constructing a reservoir, covering 10 or 15 acres, to supply water for engines. The reservoir will be built in connection with the construction of a 32-mile water-pipe line.

WILMORE, W. VA.—The Norfolk & Western Ry. Co., C. S. Churchill, Ch. Engr., Roanoke, Va., has awarded contract to WALTON & CO., of Wilmore, for the construction of a dam across Clearfork. Cost, $35,000.

MORGANTOWN, W. VA.—The Chairman of the Water Committee of Council has prepared his recommendations relative to the changes in the local water system. A bond issue of $68,000 has been authorized for the purpose of moving the pumping station to the Tygards Valley and laying of larger mains throughout the city. A new pump will also be purchased.

WHEELING, W. VA.—The Wheeling Traction Co. has asked for bids on a pump to be erected at the riverside at 42d St. to supply water to its power plants. The pump will have a capacity of 4,000 gallons per min., pumping from a well filled by gravity direct from the river.

L. G. Hallock & Sons, who have the contract for digging the wet well and building the superstructure for the new pumping plant of the Wheeling Water-Works Plant, have sublet the brickwork on the wet well to J. S. BUTTS & CO. The well has been carried up 40 ft. and 24 ft. are to be completed. The total contract price for the well was $19,000.

ROXBORO, N. C.—The citizens have voted to issue $25,000 of bonds for improving the water-works and street improvements.

BREVARD, N. C.—Bids will be received until Aug. 15 by T. H. Galloway, Town Clk., for digging a ditch about 5,400 ft. in length, placing therein an 8-in. c.-i. high-pressure water pipe; and excavating for and constructing a concrete reservoir, 90 ft. × 40 ft. × 10 ft. Estimated capacity, 250,000 gallons.

ANDERSON, S. C.—The directors of the Anderson Water, Light & Power Co., have authorized the immediate expenditure of $10,000 for an additional water supply and filtering system. Work will be begun at once. A new pumping station and a new 600,000-gallon coagulating reservoir are to be installed together with a new clear-water basin, into which the water will run by gravity, from the new reservoir. This will give to the city a daily water supply of 750,000 gallons.

SAVANNAH, GA.—The Central of Georgia Ry. Co., C. K. Lawrence, Ch. Engr., Savannah, has awarded contract to PIEDMONT CONSTRUCTION CO., Atlanta, Ga., for constructing water tower and installing equipment for fire protection. The tower will be 150 ft. high of steel, cement, sand and stone; tank will be of reinforced concrete, about 27 ft. high, and have capacity of 150,000 gallons of water and will contain two separate divisions, the upper division to contain 100,000 gallons. Automatic pumps, operated by electricity, will be installed and additional fire hydrants will be placed on wharves and in yards of the company.

OCALA, FLA.—The Ocala Water Co. will sink a 10-in. well, increasing the water capacity 50%. Estimated cost, $3,000.

ST. PETERSBURG, FLA.—The city is considering enlarging the water supply system.

TALLAHASSEE, FLA.—See item under Light and Power Plants.

HALLS, TENN.—The Halls Light, Water & Ice Co., Paul Freeman, Purchasing Agt., Halls, will install a water system.

ATHENS, OHIO.—Bids will be received until Aug. 25 by the Board of Trustees, Athens State Hospital, Athens, for a standpipe, two 150-HP. horizontal tubular boilers, and a system of steam water piping for improving the water supply system at the State Hospital.

TOLEDO, OHIO.—Bids will be received by the Board of Public Service, George W. Tonson, Ch. Engr., until Aug. 29, for construction of intake crib improvement of water supply. Estimated cost, $7,500.

CLEVELAND HEIGHTS, OHIO.—Bids will be received until Aug. 23 by H. H. Canfield, Village Clk., 309 Beckman Bldg., Cleveland, for laying a 6-in. water main in portions of Ardoon, Parkdale and three other streets.

CONNERSVILLE, IND.—Bids are asked by the city until 2 p. m., Sept. 1, for furnishing all material and constructing complete pumping station and other buildings, reservoir, removal of old machinery, laying water pipes and specials, drilling wells, furnishing vertical motors, electrical contrifugal unit, turbine generator unit with surface condenser, etc., and tubular boilers for the municipal water-works improvements. B. Marvin is Consulting Engr., Frankfort, Ind.

NORMAL CITY, IND.—The Town Trustees have decided to ask for bids for the construction and equipment of a modern gravity water-works plant.

WYANDOTTE, MICH.—The city awarded the pump contract to the PLATT IRON WORKS, of Dayton, Ohio. Plans are being revised and enlarged for an intake pipe and addition to the pumping station. J. L. Sullivan is Clk.

HOUGHTON, MICH.—A. W. ANDERSON & SON have secured contract for constructing a reservoir here, at $3,822.

SANDUSKY, MICH.—The citizens, on July 26, voted to issue bonds for water-works, sewers and an electric light plant.

GRAND RAPIDS, MICH.—Contract was awarded on July 27 by the Board of Public Works to the FORT WAYNE ELECTRIC CO., of Fort Wayne, Ind., for furnishing centrifugal pumps, motors and other equipment for the low-lift pumping station at the new filtration plant at $12,425. Other bidders were: R. D. Wood & Co., Philadelphia, Pa., $14,216; General Electric Co., $13,862, Herring & Fuller, 170 Broadway, New York, are Engrs.

VANDALIA, ILL.—The citizens voted on July 28 to issue $10,000 of bonds for improving the water-works and electric light plant.

FLORA, ILL.—The citizens have voted in favor of constructing water-works. J. S. Spiker is Engr., Vincennes, Ind.

MARSHFIELD, WIS.—The water-works system will be improved by putting in a concrete reservoir capable of storing 350,000 gallons of water. Plans are being prepared. Estimated cost, $4,000.

DAVENPORT, IOWA.—The Davenport Water Co., it is reported, has petitioned for a 25-year extension of franchise. If granted the company will construct a 24-in. main for power station No. 1 to Rock Island St. Estimated cost, $150,000.

JANESVILLE, MINN.—W. D. LOVELL, of Minneapolis, has secured contract for 8,400 ft. water mains at $5,784. Bids were opened on July 28.

MINNEAPOLIS, MINN.—The Water Committee of the City Council has voted to adopt the recommendation of Andrew Rinker, City Engr., for a 36-in. water main from Camden Pl. to connect with the 24-in. mains at Lyndale and Hawthorne Aves. Estimated cost, $165,792. The recommendation for the installation of a 20,000,000-gallon electric pump at the Camden station was also adopted. Bids will be asked at once.

WICHITA, KAN.—We are officially advised that the contract for placing Raymond concrete piles in connection with the Riverside Park dam at Wichita has been awarded to the RAYMOND CONCRETE PILE CO., of New York and Chicago. The FREEBORN ENGINEERING & CONSTRUCTION CO. are the general contractors.

ALLIANCE, NEB.—We are officially advised that the city is considering the construction of five miles of water main extension. F. W. Irish is City Clk.

KIMBALL, NEB.—Bids will be received until Aug. 12 by the Board of Directors of the Kimball Irrigation District, Kimball, for constructing canals, reservoirs and irrigation works, comprising the Oliver reservoir and two main distributing canals, together with all necessary conduits, flumes, and other appurtenances, and for constructing the Bushnell reservoir.

*COZAD, NEB.—Bids for the construction of a system of water-works will be received by the City Clerk until 6 p. m., Sept. 2. Bids may be made on parts or on the whole and so awarded. Hershey S. Welch is Engr., North Platte, Neb.

*GRAND FORKS, N. DAK.—The City Council will receive bids until 3 p. m., Sept. 5, for the remodeling and reconstruction of the present slow sand filter. The bidders are required to furnish detailed plans and specifications and bids are asked on the following: (1) Rapid sand filter; (2) remodeling of present slow sand filter to increase its capacity and efficiency; (a) by use of scrubbing filters; (b) by preliminary or other treatment of the raw water, chemical or otherwise; (c) by preliminary softening and sedimentation of the raw water. Charles T. Evanson is City Audr.

RAPID CITY, S. DAK.—The State Engineer, Pierre, S. Dak., is working on a project to irrigate the land east of Rapid City. It is planned to store the waters of Rapid Creek and a ditch, 25 miles long will be needed to carry the water to the proposed storage reservoir. Estimated cost, $2,000,000.

WHEATLAND, WYO.—Contract for the construction of the electric light plant, water-works and sewerage systems has been awarded to P. O'BRIEN, of Denver, Colo., at $68,720.

NEWPORT, ARK.—The KRESS CONSTRUCTION CO., of Stuttgart, Ark., has secured, it is reported, contract for building water-works here. Estimated cost, $80,000.

PARIS, ARK.—The city has formed an improvement district to vote on the issuance of $75,000 of bonds for the installation of water-works, water to be taken from lake on Short Mountain Creek, and standpipe will be located on elevation of 181 ft. Plans and estimates have been made.

CONWAY, ARK.—The city has plans prepared by Dickinson & Watkins, Little Rock, Ark., for the construction of a water-works system, which call for pipe line constructed from Gleason to Conway, a distance of six miles; pumping station on banks of Cadron River at Gleason; power to operate plant furnished by city's light plant and conveyed by wire to motors at pumping station. The water, after being filtered, will be conveyed in a 10-in. main to the reservoir, which will have an elevation of 150 ft., and from the reservoir water will be piped in 8-in. mains to the city.

DALLAS, TEX.—The city has awarded contract to H. DEARING & SON, of Dallas, to drill four artesian wells, and has appropriated $37,500. J. M. Preston is City Engr.

HARLINGEN, TEX.—The city will open bids about Oct. 1 for the construction of water-works, to include a 35,000-gallon elevated tank. Estimated cost, $20,000. I. B. McFarland is Mayor.

HEARNE, TEX.—The city is considering the construction of water-works.

GUTHRIE, OKLA.—Ball & White, of Lamar, irrigation engineers and land developers, have applied to the Secretary of the Board of Agriculture, it is reported, for permission to tap Cimarron River for a system of irrigation in Texas and Cimarron Counties.

COLORADO SPRINGS, COLO.—Papers of incorporation for the Canon Light & Power Co. have been filed with the Secretary of State in Denver by Attorney P. H. Dodge, of Colorado Springs. The company will spend about $80,000 for the construction of a reservoir, pipe lines and a power plant for the generation of electricity.

DENVER, COLO.—The Water Commission will purchase and lay more than a mile of 12-in. water main on Jewell St. to connect the South Denver distributing system, which the city owns, with the new conduit of the water company so as to supply the people of that section with more water.

*MONTROSE, COLO.—Bids will be received at the office of the U. S. Reclamation Service, Washington, D. C., until 2 p. m., Aug. 12, for furnishing approximately 5,224 ft. of 26-in. and 36-in. pipe for siphons in connection with the Uncompahgre irrigation project, Colo.

SEATTLE, WASH.—The city has awarded contracts as follows: Laying water mains in North 73d St. and other streets, to the AMERICAN CONTRACTING CO., at $40,666; laying water mains in 22d Ave., S. E., and other streets, to SANFIELD & RITCHIE, at $7,563. R. H. Thomson is City Engr.

TACOMA, WASH.—The Council has passed Ordinance No. 4194, providing for the construction of a 6-in. wooden water main in Union Ave., from South 68th St. to the south line of Block 16, Squires Subdivision.

HILLYARD, WASH.—Plans for a new reservoir to supply the city with water are contemplated by City Council. According to the proposition now under consideration a reservoir having a capacity of 1,000,000 to 1,500,000 gallons will be built in Berg's Addition, formerly set aside for a dump ground.

LOS ANGELES, CAL.—Bids will be received by the Board of Water Commissioners until Aug. 15 for 603 tons of standard bell and spigot c.-i. water pipe, and for 25 double outlet 4-in. fire hydrants.

SAN FRANCISCO, CAL.—We are officially advised that the contract has been let by the Board of Public Works, Joseph L. McCormick, Secy., to The RAISCH IMPROVEMENT CO., 109 Montgomery St., San Francisco, at $44,705, for hauling and laying of high-pressure mains, conduits and appurtenances from the Twin Peaks reservoir to Scott St. and to Castro St. Bids were received on July 27. Marsden Manson is City Engr.

PORTERVILLE, CAL.—The Trustees are considering the expenditure of $25,000 for an auxiliary water plant, consisting of a 500,000-gallon reservoir and larger distributing mains.

SANTA ANA, CAL.—The Freehold Water Co. has been incorporated here for $100,000, to build reservoir and to furnish and distribute water for domestic and irrigating purposes. E. H. Kennard, L. M. Kennard, John D. Pope, of Los Angeles, and W. P. O'Meare and F. E. O'Meare, Salt Lake City, Utah, are interested.

FALLON, NEV.—The City Council passed an ordinance authorizing the establishment, building and constructing of a water-works system for domestic use, manufacturing and fire protection for the city; to borrow the sum of $35,000 for the purpose and to issue and sell bonds. C. L. Noble is Clk.

PROVO, UTAH.—Bids will be received by the City Clerk until Aug. 29 for changing the present water mains to the higher ground on Rock Canyon bench. Estimated cost, about $90,000. L. C. Kelsey, of Salt Lake City, is Engr.

BELLEVILLE, ONT.—The CANADA FOUNDRY CO., of Toronto, has been awarded the contract for an electric pump for the water-works. It is to be a 2 and 3-stage turbine, with a capacity of 70,000 gallons per hour, driven by a 115-HP. motor.

MOOSE JAW, SASK.—Bids will be received by W. F. Heal, City Clk., until 8.30 p. m., Aug. 15, for supplying materials for and laying 3,286 lin. ft. of 6-in. and 700 ft. of 12-in. c.-i. water main. J. M. Wilson is City Engr.

SEWERAGE.

(**Denotes that this work is advertised in Engineering News.*)

BOSTON, MASS.—Contracts for sewers have been awarded by the city as follows: Geneva Ave., Dorchester, to ANDREW M. CUSACK, Boston, at $5,874; Friend St., to J. B. O'ROURKE & CO., at $5,571. Bids were opened on July 22.

MALDEN, MASS.—Bids were opened on July 22 by the Metropolitan Sewer Commission, Boston, William M. Brown, Ch. Engr., for extending the North Metropolitan sewer system in Malden. Contract has been awarded to ANTONIO G. TOMASELLO, 69 Gibson St., Dorchester, as follows: 2,631 lin. ft. earth excavation and refill, in trench 18 and 12-in. pipe sewer, $4; 60 cu. yds. brick masonry (Portland), $16; 500 cu. yds. concrete masonry (Portland), $7; 200 cu. yds. rock excavation, $6. Total, $16,184. Other bids were Bryne Contracting Co., 46 School St., Boston, $21,846; John J. Falvey, 15 Rush St., Somerville, $18,563; Louis Devencenzi, 4 Cambridge St., Boston, $17,881; John E. Palmer, 32 Lindsey St., Dorchester, $17,813; Coleman Bros., 95 Milk St., Boston, $16,908; Michael Russo, 240 North St., Boston, $16,531.

FALL RIVER, MASS.—The Aldermanic Committee on Sewers on July 25 voted to recommend an appropriation of $20,000 for the construction of a sewer.

*WOONSOCKET, R. I.—We are officially advised that bids were received by the Board of Sewers Commissioners on Aug. 4 for building about 3,600 ft. of 8-in. sanitary sewer and appurtenances, and about 660 ft. of surface water drain, part 18-in. pipe and part concrete. Contract has been awarded to J. E. PALMER, 1012 Old South Bldg., Boston, for sanitary sewers as follows: 3,600 ft. of 8-in. pipe sewer, $1.10 per ft.; 460 cu. yds. rock excavation, $4.50; extra concrete, $9; lumber left in place, $25 per M. ft.; gravel filling, $2. Contract for surface water drains not awarded. Frank H. Mills is City Engr.

NEW HAVEN, CONN.—Bids will be received until Aug. 15 by C. W. Kelly, City Engr., for constructing sewers in portions of State, Rock and Chapel Sts., Winthrop and Sherman Aves. and other streets.

PUTNAM, CONN.—Bids are asked by the Highway Committee, G. Allen Hawkins, Chn., until 4 p. m., Aug. 18, for Sewer Contract No. 2, about 5,000 ft. of 20 to 30-in. sewer.

FOREST HILLS (Jamaica, L. I., post-office), N. Y.—Bids will be received until Aug. 25 by the Sage Foundation Homes Co. for the construction of 1,000 ft. of 48-in. and 1,800 ft. of 42-in. storm water drain in Austin Ave. and Bachus Pl., Forest Hills. We are officially advised that bids are requested on brick, concrete, reinforced concrete and lock joint pipe. Plans and specifications are on file in the Engineer's office, Sage Foundation Homes Co., Forest Hills, L. I. See item under Buildings.

TROY, N. Y.—Bids will be received until Aug. 12 by the Board of Contract and Supply, James M. Riley, Secy., for constructing a sewer in Grace Court and across the property of the Troy Cemetery Association, requiring 1,395 lin. ft. of from 18 to 6-in. salt-glazed vitrified drain pipe.

WESTFIELD, N. Y.—Clyde C. Hill, of North East, Pa., is preparing plans for the construction of a sewer system here. Estimated cost, $100,000.

SYRACUSE, N. Y.—Contracts will probably be let this month for the construction of a trunk sewer to run from E. Calvin St. to the Delaware, Lackawanna & Western R. R. tracks, to the Euclid Ave. section of the 17th Ward.

AMSTERDAM, N. Y.—Bids will be received until Aug. 1 by the city for constructing a storm sewer in Vrooman St. F. E. Crane is Supt. Sewer Comrs.

GATES, N. Y.—Bids were opened on July 20 by the Town Board for constructing about 4,345 ft. of brick sewer from 4 ft. to 5 ft. 8 ins. in diameter in Stanton St. Contract has been awarded to N. BRAYER & ALBAUGH, of Rochester, at $58,252. W. R. Storey, 510 Ellwanger & Barry Bldg., Rochester, is Engr.

MILBURN, N. J.—Bids have been opened by the Township Committee for constructing about 9,000 ft. of sewers in the township, from the plans of E. R. Halsey, Township Engr., 164 Market St., Newark. Contract has been awarded to PASQUALE MAURIELLO, of Orange, at $7,121.

HADDONFIELD, N. J.—Bids will be received by the Borough Council, Allen Clymer, Boro. Clk., until Aug. 15, for extensions and improvements to the sewage disposal plant, including construction of a sprinkling filter, settling tank and dosing chamber. Alex. Potter, 114 Liberty St., New York, is Engr.

CALDWELL, N. J.—The Sewerage Committee on Aug. 1 recommended to Council a complete sewer system for the town. Estimated cost, $80,000. John W. Gosman is Chn.

*VENTNOR CITY, N. J.—We are officially advised that bids were received by the Common Council as follows on Aug. 3 for sewage disposal works: L. H. Henry, 10 Windsor Ave., Atlantic City, N. J., $18,663; Atlantic Construction & Supply Co., Bartlett Bldg., Atlantic City, $19,464; United Paving Co., Bartlett Bldg., Atlantic City, $20,723; W. W. Lindsay & Co., Harrison Bldg., Philadelphia, Pa., $26,000. W. I. Risley is City Engr.

ALTOONA, PA.—The citizens on July 26 voted to issue $60,000 of bonds for sewer extensions.

MARCUS HOOK, PA.—The borough will spend $18,000 for the purchase of land and the erection thereon of a pumping station for the pumping of the borough's sewage and the construction of a sewer system, and $5,000 will be used in readjusting the lines and repaving of Market St.

SOMERSET, PA.—The Town Council has engaged L. E. Chapin to prepare plans for a sewage disposal plant here.

BALTIMORE, MD.—The Board of Awards on July 27 awarded contracts for sewers as follows: To W. H. & C. E. THOMPSON, Law Bldg., for sanitary sewer No. 54, at $41,128; to GEORGE F. BEAVIN, 1315 South Carey St., for storm sewer No. 10, at $7,344.

Specifications for the sanitary sewers in South Baltimore and for the coal-handling machinery for the new pumping station were submitted to the Sewerage Commission on Aug. 2 by Calvin W. Hendrick, Ch. Engr. The plans were approved. Estimated cost, between $60,000 and $70,000.

CHARLESTON, W. VA.—Plans have been accepted for a drainage system for the First Ward. Estimated cost, $100,000.

TYBEE, GA.—The town will construct a sewer system. Frank W. Storer is Clk. Town Council.

GAINESVILLE, FLA.—The city will construct about 550 ft. of 6-in. sanitary sewers. Bids are asked until Aug. 29. I. E. Webster is Secy. Bd. of Public Wks.

PETROS, TENN.—The Penitentiary Board will install a sewerage system using surplus mine water for flushing sewage pipes. T. S. Wilcox is State Prison Comr.

YOUNGSTOWN, OHIO.—Bids will be received until noon Aug. 15 by the Board of Public Service, W. H. McMillen, Clk., for constructing sewers in portions of Japan and McKinnie Sts.

DAYTON, OHIO.—The LARKIN BROS. CONSTRUCTION CO., of Dayton, has secured contract for constructing sanitary sewers in Districts 3, 8, 9 and 10, at $38,510. Bids were opened on July 28.

CLEVELAND HEIGHTS, OHIO.—Bids will be received until Aug. 23 by H. H. Canfield, Village Clk., 309 Beckman Bldg., Cleveland, for constructing a 24-in. pipe sewer in Glenwood St.

NILES, OHIO.—Bids were opened on July 27 by the city for the construction of sewers in Subdivision No. 1 of Sewer District No. 3. Contract has been awarded to the WILLIAM LEHMAN CO., of Cleveland, at $21,769. Other bidders were: W. E. Gartland, Youngstown, $26,612; C. L. Allen, Marion, $24,828; V. Mango, Niles, $24,695; W. H. Rolston, Mt. Vernon, $24,797.

SPRINGFIELD, OHIO.—Bids are asked until noon, Aug. 12, by the Director of Public Service, for a storm sewer in Main St., from Race St. to Indiana Run, and in Main St., from William St. to Mad River. William H. Mahoney is Clk.

MIDDLETOWN, OHIO.—Bids are asked by the Director of Public Service until noon, Aug. 17, for the construction of tile sewers in various streets. John Kunz is Clk.

COLUMBUS, OHIO.—See item under Streets and Roads.

INDIANAPOLIS, IND.—Bids will be received until Aug. 15 by the Board Public Work for constructing a local sewer in portions of McPherson and Bellefontaine Sts., Euclid Ave. an alley and along the Parkway.

SOUTH HAVEN, MICH.—Bids will be received by A. Ryall, City Clk., until Aug. 12, for constructing about 4,000 lin. ft. of 8 and 10-in. sewers.

QUINCY, ILL.—The Board of Local Improvements has ordered sewer work to cost $9,396.

ALGOMA, WIS.—We are officially advised that the city is considering the construction of vitrified pipe sewers. Estimated cost, $4,000 to $5,000. Bids will be asked about Sept. 1. M. W. Terry is Mayor.

MILWAUKEE, WIS.—HERMAN HOHENSEE has been awarded contract at $47,500 for the construction of trunk sewers in East Milwaukee.

SHENANDOAH, IOWA.—Bids will be received by C. M. Conway, City Clk., until Aug. 22 for constructing sewers in various streets.

INDIANOLA, IOWA.—Bids will be received by J. H. Clark, City Clk., until Aug. 23 for furnishing material and constructing vitrified pipe sanitary sewers. A. H. Gilliland is City Engr.

SIOUX CITY, IOWA.—We are officially advised that LEWIS & LEEDER, of Sioux City, have been awarded contract by the city for all labor and material for the construction of a 6-in. sanitary sewer here at the following prices: 4 ft. × 5 ft. 8-in. × 8-in. concrete tunnel, $15.75 per ft; manholes, complete, $140 each. The Lytle Construction Co. bid $16.75 and $130. Total amount of contract, $12,740. K. C. Gaynor is City Engr.

OELWEIN, IOWA.—R. C. De La HUNT has been awarded contract by the City Council for sewer construction here at about $5,400.

HUTCHINSON, KAN.—Bids will be received by the Board of Commissioners until 3 p. m., Aug. 12, for the construction of the following sewers. Approximately 4,300 lin. ft. of 18-in. vitrified or concrete tile; 3,500 lin. ft. rectangular concrete drain; also 2,000 lin. ft. of open ditch, requiring about 1,500 cu. yds. excavation. Ed. Metz is City Clk.

MADISON, NEB.—We are officially advised that the city is considering the construction of a sanitary sewer. Estimated cost, $20,000. H. C. Jensen is City Engr.

NORTH PLATTE, NEB.—We are officially advised that the city is considering the construction of sewer extensions. Estimated cost, $4,000. Bids will be asked about Aug. 23. Paul Meyer is City Engr.

WHEATLAND, WYO.—See item under Water Supply—Irrigation.

CAMDEN, ARK.—W. S. McDowell, of Camden, contractor, is preparing to begin construction of proposed sewer in Improvement District No. 5; J. R. Parker, Texarkana, Ark., is Engr.-in-Charge.

NEWPORT, ARK.—Bids were opened on July 27 by the Board of Commissioners for the construction of sewers here as follows, Pownsey Paving & Construction Co., Helena, $37,890; Municipal Engineering & Construction Co., Chattanooga, $37,321; H. S. Bosler, Chattanooga, $35,364; Joseph McCoppin, Little Rock, $35,159; Noble & Gardner, Paducah, $33,645; KRESS CONSTRUCTION CO., Stuttgart, $30,747 (awarded contract).

DALLAS, TEX.—Bids will be asked by the city for the construction of sewers in Crowdus and Gord Sts., from Main to Elm Sts.

SPOKANE, WASH.—All bids opened on July 22 by the Board of Public Works for sewers have been rejected as excessive. The bids received follow: Fifth Ward trunk sewer, in District 9, James C. Broad, $27,965; extending First Ward subtrunk sewer, District 11, Lang & Smith, $19,660; sewer in Spofford Ave., Mitchell Bros, $3,744.

SEATTLE, WASH.—R. H. Thomson, City Engr., has recommended the following improvements: 15th Ave., N. Y., sewers, $5,900; East Mercer St. and other streets, sewers, $2,600.

Contract for constructing sewers in Sixth Ave., N. E., and other streets, to YOUNG & URICH, at $11,573.

PASCO, WASH.—The city is considering the construction of a cement or concrete sewer covering practically the entire business and residence sections of the city. Estimated cost, $95,000.

OROVILLE, CAL.—Contracts will probably be let this month for the construction of sewers here. Estimated cost, $120,000. Bonds were sold on July 22.

TULARE, CAL.—Bids will be received until Aug. 15 for the construction of a sewer system from the plans of Haviland & Tibbetts, of Oakland. Estimated cost, $68,000. E. Oakford is City Clk.

SANTA CLARA, CAL.—The Town Trustees on July 25 awarded to JOHN McREYNOLDS & SON CO. the contract for the construction of eleven miles of sewer at $24,623.

LOS GATOS, CAL.—The city is considering the construction of a sewer system.

STOCKTON, CAL.—Plans for the disposal of the sewage of this city and the increase of the water front by about five miles, have been prepared by the City Engineer and presented to the Council. The proposition is to purchase a 500-ft. wide strip of land from Harrison St., where the Mormon channel turns into the Stockton Channel, thence through the Boggs tract to the San Joaquin River. It is estimated that the total cost would be about $90,000.

PLEASANTON, CAL.—Bids for the construction of the new sewer system for Pleasanton will be received until Aug. 15. P. A. Haviland is Engr.

SALT LAKE CITY, UTAH.—The MORAN CONSTRUCTION CO., of Salt Lake City, has secured contract for the construction of sewers in District 105 at $17,495.

YORK, ONT.—Bids will be received by Barber & Young Township Engrs., 57 Adelaide St. East, Toronto, until noon, Aug. 15, for the construction of the following: 982 ft. vitrified pipe sewer in Spadina Road northerly from the city limits; 592 ft. vitrified pipe sewer in Walmer Road northerly from the city limits; 986 ft. granolithic sidewalk on Markham St. northerly from the city limits. Separate bids will be required, but bidders may bid on any one or all of the three.

*TORONTO, ONT.—We are officially advised that contract for the construction of Section 6 of the high-level interceptor has been awarded by the city to the ORPEN CO., 9 Toronto St., Toronto, at $23.07 per lin. ft. Bids were opened on July 26. C. H. Rust is City Engr.

SWIFT CURRENT, SASK.—Contract for 30,150 ft. of tile pipe, etc., has been awarded to BLACKMER & POST PIPE CO., St. Louis, Mo., at $10,083. E. G. Marriott is Resident Engr.

YORKTON, SASK.—Contract for the construction of sewers has been awarded to N. B. McINNIS, of Regina, at the following prices: 2,900 ft. of 20-in. sewer complete at $2.35 per ft.; 3,200 ft. of 15-in. sewer complete at $2.35; 1,700 ft. of 10-in. sewer complete at $1.60; 2,800 ft. of 8-in. sewer complete at $1.25.

NORTH VANCOUVER, B. C.—The city will spend about $100,000 for vitrified clay pipe sewers. George A. Hanes is City Engr.

STREETS AND ROADS.

(*Denotes that this work is advertised in Engineering News.)

CONCORD, N. H.—Bids are asked until Aug. 19 by H. C. Hill, State Engr., Concord, for grading and macadam surfacing of 6,900 ft. of road in the town of Madison.

HOLLISTON, MASS.—Contract was awarded on Aug. 2 by the Highway Commission for the construction of about 3¼ miles of road in Holliston. Of the total 9,800 ft. is to be gravel road with oiled surface paid for by the State and 7,300 ft. is to be macadam road paid for by the town. Contract was let to C. E. HORNE, of Millbury, at $8,304 for the town work and $7,782 for the State work. The second bidder was W. F. Loud & Son, of Quincy, at $10,477 for the town work and $7,804 for the state work.

HARTFORD, CONN.—Bids are asked by the State Highway Commissioner, the Capitol, Hartford, until 2 p. m., Aug. 18, for state road work as follows:

Town of Bridgewater, 11,835 lin. ft. graded road on the New Milford Turnpike, including one 12-in., nine 15-in., four 18-in., one 20-in., six 24-in. and three 30-in. tile pipe culverts. Plans and specifications with A. B. Mallett, First Selectman, Bridgewater.

Town of Bristol, 2,251 lin. ft. macadam road on School St., including one 15-in. tile pipe culvert. Plans and specifications with F. N. Manross, First Selectman, Forestville.

Town of Durham, 18,237 lin. ft. macadam road on the Middletown Turnpike, including three 12-in., three 18-in., two 15-in., one 20-in., two 24-in. and one 30-in. tile pipe culverts and two reinforced-concrete culverts. Plans and specifications with O. D. Hubbard, First Selectman.

Town of East Haven, 3,178 lin. ft. macadam on the Foxen Road and 7,670 lin. ft. macadam on Thompson Ave., including one 18-in. tile pipe culvert. Plans and specifications with John S. Tyler, First Selectman.

Town of Beacon Falls, 2,325 lin. ft. macadam road on the Housatonic Turnpike, including three 15-in. and one 18-in. tile culverts. Plans and specifications with William B. Hopwood, First Selectman.

Town of North Haven, 2,208 lin. ft. macadam road. Plans and specifications with D. Walter Patten, First Selectman, Clintonville.

Town of Sherman, 6,785 lin. ft. grading on the New Milford Turnpike, including three 18-in., twelve 24-in., one 15-in. and two 20-in. tile pipe culverts. Plans and specifications with George A. Barnes, First Selectman.

Town of North Branford, 15,327 lin. ft. macadam road, including six 12-in., two 1-in., one 24-in. and one 15-in. tile pipe culverts and one I-beam reinforced-concrete culvert. Plans and specifications with O. D. Hubbard, First Selectman, Durham.

HARTFORD, CONN.—Plans for the improvement of state roads have been received by the State Highway Commissioner as follows: From A. B. Alderson, Engr., 12,500 lin. ft. in the town of Farmington; from Alexander Cahn, Engr., 12,450 lin. ft. on the main road from Waterbury to Wolcott, in the city of Waterbury; from G. C. Ham, Engr., 10,000 lin. ft. on the Middlebury Road, in the Boro. of Naugatuck; from A. S. Brainard, Div. Engr., about 8,000 lin. ft. on the Hartford, Willimantic Turnpike, in the town of Manchester.

NIAGARA FALLS, N. Y.—Contract was awarded by the Board of Public Works on Aug. 2 to the READ-CODDINGTON CO. for paving Buffalo Ave., from Sugar St. to the city line, with Toledo asphalt block, at $72,923.

NEW YORK, N. Y.—Bids are asked by Alfred E. Steers, Pres. Boro. of Brooklyn, until 11 a. m., Aug. 17, for regulating, grading, paving, etc., on certain streets in Brooklyn.

Bids are asked by the Park Board until 3 p. m., Aug. 18, for furnishing all the labor and materials for reconstructing the roadway of the Bronx and Pelham Parkway, including surfacing with asphaltic earth mixture, from its junction with the Eastern Boulevard to the crossing of the said parkway over the tracks of the New York, New Haven & Hartford R. R., Harlem River Branch, Boro. the Bronx, City of New York.

Bids are asked by the Park Board, same time and date as above, for paving and repaving with rock asphalt mastic where directed, the walks of Central and other parks; for excavating and disposing of earth or other materials and furnishing in place thereof good garden mold in the parks on Broadway, between 110th and 122d Sts.; for excavating earth, rock or other materials and regulating and grading and depositing clean earth filling in John Jay Park, between 76th and 78th Sts., and in the roadway and sidewalk of the new street along the westerly boundary of said park, between 76th and 77th Sts.; for furnishing and setting new curbstones in the parks on Broadway, between 110th and 122d Sts.

NEW YORK, N. Y.—The following bids were received by George McAneny, Pres. Boro. of Manhattan, on Aug. 8, for regulating and repaving with sheet asphalt pavement on a concrete foundation the roadway of the following streets and avenues: (1) Fourth Ave., from the north side of 23d St. to north side of 32d St.; (2) Madison Ave., from the north side of 42d St. to north side of 50th St.; (3) Waverly Pl., from the west side of Broadway to east side of Fifth Ave.; (4) Centre st., from south side of Centre Market Pl., from Grand St. to south side of Brooks St.; (5) East 23d St., from west side of First Ave. to east side of Madison Ave.; (11) Long Acre Sq., from the south side of 43d St. to the north side of 47th St., Broadway, from the north side of 42d St. to the south side of 43d St. and Seventh Ave., from the north side of 42d St. to south side of 43d St.: (1) Barber Asphalt paving Co., 30 Church St., $29,613; Uvalde Asphalt Paving Co., 1 Broadway, $34,310; Sicilian Asphalt Paving Co., 41 Park Row, $32,368; (2) Barber Asphalt Paving Co., $18,808; Uvalde Asphalt Paving Co., $20,203; Sicilian Asphalt Paving Co., $19,674; (3) Barber Asphalt Paving Co., $11,298; Uvalde Asphalt Paving Co., $11,256; Sicilian Asphalt Paving Co., $12,517; (4) Barber Asphalt Paving Co., $9,375; Sicilian Asphalt Paving Co., $9,682; Uvalde Asphalt Paving Co., $10,696; (5) Barber Asphalt Paving Co., $19,895; Uvalde Asphalt Paving Co., $22,990; Sicilian Asphalt Paving Co., $22,290; (11) Barber Asphalt Paving Co., $37,621; Uvalde Asphalt Paving Co., $47,169; Sicilian Asphalt Paving Co., $47,711.

For regulating and repaving with wood block pavement on the following streets and avenues: (9) First Ave., from the north side of 25th St. to the north side of 26th St; (10) Washington St., South, from the east side of Washington Sq., to the east side of Washington Sq., West: (9) Barber Asphalt Paving Co., $11,536; Uvalde Asphalt Paving Co., $11,608; U. S. Wood Preserving Co., 165 Broadway, $11,825; Empire City Contracting Co., World Bldg., $11,721; Republic Construction Co., $10,120; (10) Barber Asphalt Paving Co., $14,374; Uvalde Asphalt Paving Co., $14,153; U. S. Wood Preserving Co., $14,099; Empire City Contracting Co., $14,641; Republic Construction Co., $13,902.

For (16) regulating and paving with granite block pavement on a concrete foundation the roadway of 153d St., from Broadway to Riverside Drive; (19) 215th St., from Broadway to a point 450 ft. east of Ninth Ave.: (16) Asphalt Construction Co., Madison Ave. and 137th St., $11,600; Atlanta Contracting Co., 230 East 42d St., $12,502; W. J. Fitzgerald, 547 West 45th St., $10,904; (19) Harlem Contracting Co., 2 Rector St., $20,417; Barber Asphalt Paving Co., $21,317.

BROOKLYN, N. Y.—Bids are asked by Alfred E. Steers, Pres. Boro. Brooklyn, until 11 a. m., Aug. 24, for restoring and repaving with asphalt on a concrete foundation the roadway of Raymond St., from De Kalb Ave. to 50 ft. north of Johnson St., together with all work incidental thereto; for fencing vacant lots on the east side of Amboy St., between Sutter and Pitkin Aves., and on various other streets in the Borough; for grading lots on the north side of 54th St., between Eighth and Ninth Aves., known as Lots Nos. 64, 66 and 68 Block 5665, Section 17.

BUFFALO, N. Y.—Bids will be received at the office of the Department of Public Works by Francis G. Ward, Comr., for paving the following streets with each of the kinds of pavement specified by plans and specifications on file at the Bureau of Engineering, copies of which, with printed forms of proposals, will be furnished on application: Kentucky St., 28 ft. wide, from Mackinaw St. to St. Clair St.; Vincennes St., 26 ft. wide, from South St. to the Erie R. R.; Tennessee St., 28 ft. wide, from Mackinaw St. to Republic St.; Tennessee St., 26 ft. wide, from the Erie R. R. to South St.; Grant St., two feet wider on each side of present pavement, from Hampshire St. to Delavan Ave.; also for repaving Eagle St. with asphalt 40 ft. in width, between Main and Washington Sts.

*NEW BRUNSWICK, N. J.—Bids will be received by the Board of Chosen Freeholders of the County of Middlesex until 11 a. m., Sept. 1, for the construction of a gravel road, according to plans and specifications (no partial bids will be received) on file in the office of the County Collector, 40 Paterson St., New Brunswick. Peter H. S. Hendricks is Dir.

HOBOKEN, N. J.—Bids are asked until 4 p. m., Aug. 24, by the Mayor and Council for the improvement of the intersection of Hudson and Eleventh Sts. James H. Londrigan is City Clk.

PATERSON, N. J.—The Public Service Ry. Co. has awarded contract, at about $32,000, for its share of the paving on Park Ave. to JOHN R. LEE, of Paterson, who will work in conjunction with the EMPIRE CITY CONSTRUCTION CO., World Bldg., New York, having the contract for the city's share, at $60,000. The railway portion covers the territory between the tracks, while that of the city covers the remainder of the street and the curbing. Both contractors will use American wood block. The curbing on both sides of the street will be of Berea block.

*PLAINFIELD, N. J.—Bids will be received by the Common Council until 8 p. m., Aug. 22, for the construction of approximately 30,000 sq. yds. of macadam pavement with bituminous binder. The above work comprises the macadamizing of 13 streets and the contract may be awarded for one or more, or all of the streets. James T. MacMurray is City Clk.

READING, PA.—We are officially advised that bids were received on Aug. [illegible] by the Board of Public Works for about [illegible] sq. yds. of vitrified block paving, and [illegible] sq. yds. of granite block paving. Contract has been awarded to FEHR & O'ROURKE, for vitrified block paving, at $39,8[illegible], and to JOHN E. WEIDNER, for granite block paving, at $4,332. Contracts not awarded on Mack block at $2.07 per sq. yd.

PITTSBURG, PA.—We are officially advised that contracts were awarded as follows on Aug. 2 by R. J. Cunningham, County Controller, for the permanent improvement of public roads and highways: For Duff City and Campmeeting roads, to FOLEY BROS., at $57,430; for Perrysville Extension No. 4, to HENRY HIL[illegible]N, at $27,982; Troy Hill Extension No. 2, to NEELAN & DALY, at $11,141.

WAYNESBORO, PA.—We are officially advised that the Waynesboro Real Estate Development Co., of Waynesboro, received bids on July 30 for grading two proposed streets on their property in South Waynesboro. It is estimated that there will be about 23,000 cu. yds. of material to be moved, of which probably 7,000 cu. yds. will be limestone rock and the balance soft shale and earth. Contract has been awarded to H. B. [illegible]KER, of Waynesboro. Clarence Croft is Secy., Waynesboro. J. B. Ferguson & Co., Engrs., Hagerstown, Md.

HARRISBURG, PA.—Bids will be received by W. W. Caldwell, Comr. Highway Dept., Harrisburg, until noon, Aug. 16, for paving and curbing streets. The approximate quantities are: Paving, 73,000 sq. yds., sheet asphalt or vitrified brick; curbing, [illegible],000 lin. ft. granite, granolithic or steel bound granolithic. The streets are Boyd St., Second to Wallace Sts.; Boyd St., Wallace to Seventh; Currant St., Herr to S. S. Basin Alley; Calder St., Sixth to Seventh; Front St., Herr to Calder; Fifth St., Reilly to Maclay; Harris St., Front to Third; Harris St., Fourth to Seventh; Hamilton St., Front to Seventh; Sayford St., Sixth to Seventh; Wallace St., Verbeke to Reilly; Chestnut St., 13th to Summit, 15th to 16th, 17th to 18th; Cameron St., State to Herr; 18th St., Market to Derry; Evergreen St., Market to Derry; 15th St., State to Verbeke; Helena Alley, State to North; Herr St., east line P. R. R. to Cameron; Kittatiny St., Crescent to Derry; North St., 15th to 16th; State St., Canal to Tenth.

ALLENTOWN, PA.—The State Highway Department on Aug. 1 awarded contract for building the state road to Guthsville to GEORGE H. HARDNER, of Allentown. The road will be of trap rock, 7,000 ft. long.

CARNEGIE, PA.—Bids are asked until 7.30 p. m., Aug. 15, by M. M. Everly, Chn. St. Com., for repaving, redressing and resetting curb on various streets.

BALTIMORE, MD.—Bids addressed to the Board of Awards, care of the City Register, will be received by the City Register until 11 a. m., Aug. 17, to grade, curb and pave with sheet asphalt, asphalt block, vitrified block or bitulithic, Park Terrace, from Park Ave. to Robert St. B. T. Fendall is City Engr.

*WASHINGTON, D. C.—Bids will be received by the District Commissioners until 2 p. m., Aug. 15, for grading certain streets in the district, about 68,000 cu. yds.

ROANOKE, VA.—Bids are asked by W. L. Craft, City Clk., until noon, Aug. 19, for the construction of a full width granolithic sidewalk on the west side of Jefferson St. F. L. Gibboney is City Engr.

CHARLESTON, W. VA.—The Board of Control has rejected all bids for paving. New bids will be received, aggregating $50,000.

WHEELING, W. VA.—The Board of Control has asked the Council to appropriate $12,000 for repaving three blocks of Main St. and $18,100 for repaving five blocks on McCulloch St. The paving, if authorized, will be laid in concrete.

TERRA ALTA, W. VA.—Contract for paving State St., a distance of one mile, was awarded on Aug. 3 to BATESON & CO., of Wheeling, at $34,800, the lowest bid. The next lowest bid was that of the Elkins Construction Co., of Elkins, W. Va., at $38,000.

WEST PALM BEACH, FLA.—Bids will be received by the Board of County Commissioners of Palm Beach County, until noon, Sept. 6, at the office of Fred E. Fenno, Clk. West Palm Beach, for furnishing what is known as live oyster shell (not shell from shell mound) in the quantity of 4,000 cu. yds., to be delivered at the bridge on Jones Creek, and 2,000 cu. yds. to be delivered on the bank of the Indian River at Sewell's Point. Separate bids will be received for each point. All bids to be by the cubic yard.

*GULFPORT, MISS.—We are officially advised that all bids received by the Mayor and Board of Aldermen on Aug. 2 for furnishing material and constructing approximately 13,000 sq. yds. of cement sidewalks have been rejected. The lowest bidders were C. Taten & Co., of New Orleans, at $13,640. The bids were rejected so as to allow the city to correct discrepancies in the ordinance, which will be done as soon as possible. H. D. Shaw is City Engr.

LELAND, MISS.—Bids were opened on Aug. 2 by the Board of Mayor and Aldermen for the construction of sidewalks in the town. The amount of work to be done under the ordinance is to be determined at the time of opening of the bids, by reference to Sections 4 and 5 of the ordinance. Contract, we are officially advised, has been awarded to the CLEMENTS CONSTRUCTION CO. R. W. Garrison is Mayor.

CROWLEY, LA.—Contract for about five miles of cement walks on [illegible] different streets was let by the Council on July 26 to DEJERSEY & BERNARD, of Jennings, at 12.45 cts. per sq. ft. There were three bids opened, the highest being 15.50 cts. per sq. ft. The crossing contract was not let, as only one bid was received for this work, and it will be readvertised, bids to be opened on Aug. 16.

MEMPHIS, TENN.—Contracts have been awarded as follows by the City Commissioners: For improving Latham St., from Iowa Ave. to the Speedway, tar macadam paving, ROPER & McTIGHE, $21,819; improving Waldran Boulevard, from Poplar Ave. to the Speedway, tar macadam paving, F. W. JORDAN CONTRACTING CO., $21,695; improving Cooper Ave., from Madison to Central Ave., asphalt paving, H. P. STREICHER & CO., $42,763; improving Cleveland St., from Peabody to Harvard Ave., resurfacing with tar macadam, E. J. WETTERSTROM, $3,-096; improving Cleveland St., from Peabody Ave. to Poplar Ave., tar macadam, TENNESSEE ROAD CO., $9,505; improving Wisconsin Ave., from Kansas St. to Riverside Boulevard, tar macadam, ROACH & MANIGAN, $8,828; improving Chelsea Ave., from Fourth St. to the city limits, concrete paving, E. J. WETTERSTROM, $27,170.

LOUISVILLE, KY.—Specifications for 15 vitrified brick alleys have been completed by the drafting department of the Board of Public Works. Bids for the paving will be asked until Aug. 12. The estimated cost of the work is $18,000. The following alleys are to be improved: Two between Sixth and Seventh and Oak and St. Catherine Sts., six between First and Second and Brandeis and Barbee Sts., two between 18th and 19th and Broadway and Colgan Sts., one between Breckinridge and Florence and Seventh and Eighth St., two between Garland and Kentucky and 18th and 20th Sts., two between Oak and Guendaline and Shelby and Clay Sts.

COLUMBUS, OHIO.—Bids were opened on Aug. 3 by the Director of Public Service for paving eleven streets and building several sewers as follows: Perry St., betwten King Ave. and Eighth St., S. T. Knight, tar filler, $4,317, cement filler $4,277, asphalt filler $4,735; H. J. Shaw, tar filler $4,360, $4,280 and $4,580; Geigle, Garnes & Co., $4,233, $4,173 and $4,533; Budd & Bartling, $4,527, $4,407 and $4,627; G. W. Patterson & Son, $4,201, $4,161 and $4,401; John C. Beasley, $4,217, $4,197 and $4,417.

Lazell St., from Mount St. to Sycamore St., H. J. Shaw $11,391, $11,250 and $11,814; William M. Graham, $12,089, $11,948 and $12,653; John C. Beasley, $11,633, $11,586 and $12,056; Geigle, Garnes & Co., $11,046, $10,905 and $12,033.

Harrison Ave., from Second Ave. to Fifth Ave., Geigle, Garnes & Co., $12,670, $12,493 and $13,024; Budd & Bartling, $14,005; $13,-650 and $14,300; George W. Patterson & Son, $12,437, $12,555 and $13,145; John C. Beasley, $12,905, (cement filler), $12,884 and $13,495.50; H. J. Shaw, $13,093, $12,-857 and $13,624; S. T. Knight, $12,497, $12,379 and $13,854.

Abbott Ave., from Bryden Road to Main St., Geigle, Garnes & Co., $7,798, $7,720 and $8,240; H. E. Barthman, tar filler $7,557, asphalt filler, $7,817; John C. Beasley, tar filler $8,159, cement filler $8,133, asphalt filler, $8,419; A. G. Pugh, $8,499, $8,519 and $8,599.

Sixth Ave., from High St. to Wesley Ave., Geigle, Garnes & Co., $3,810, $3,762 and $4,050; Budd & Bartling, $3,837, $2,741 and $3,917; George W. Patterson & Son, $3,607, $3,576 and $3,768; John C. Beasley, $3,798, $3,782 and $3,942; H. J. Shaw, $3,664, $3,-616 and $3,824.

Frankfort St., from Mohawk St. to Sixth St., William M. Graham, tar filler, $5,005, $4,975 and $5,155; Geigle, Garnes & Co., $4,731, $4,686 and $4,956.

Wolfel St., from Beech St. to Parsons Ave., Geigle, Garnes & Co., $5,452, $5,382 and $5,852; William M. Graham, $5,678, $5,-584 and $5,913; H. J. Shaw, $5,602, $5,531 and $5,813.

Third St., from Moler St. to Southwood Ave., Geigle, Garnes & Co., $7,960, $7,871 and $8,441; Budd & Bartling, $8,103, $7,923 and $8,253; William M. Graham, $7,654, $7,-564 and $8,164.

22d St., from Livingston Ave. to Columbus St., Geigle, Garnes & Co., $11,913, $11,805 and $12,417; H. E. Barthman, tar filler $11,-560, asphalt filler $11,920; William M. Graham, tar filler $12,568, cement filler, $12,-496; asphalt filler, $13,036; A. G. Pugh, $12,842, $12,859 and $12,910.

Ludlow St., from Chestnut St. to Randolph St., Geigle, Garnes & Co., $3,158, $3,113 and $3,398.

Sewer in Fairmont Ave., George F. Ames, $8,886; J. O. Jones, $7,002; John C. Beasley, $10,230.

COLUMBUS, OHIO.—Bids will be received at the office of the County Commissioners until Sept. 2, for the labor and materials necessary to macadamize the Smith-Davis Road from the west corporation line of Worthington to the Hocking Valley R. R., and from the Hocking Valley R. R. tracks to the east end of the Sioto River bridge. John Scott is Clk.

COLUMBUS, OHIO.—The City Council has adopted resolutions declaring it necessary to improve 14th Ave., from Summit St. to the Cleveland, Cincinnati, Chicago & St. Louis R. R. tracks; Indianola Ave., from Lane Ave. to Maynard Ave.; High St., from Fifth Ave. to Dodridge St.; Summit St., from Eleventh Ave. to Mock Road; Spring St., from Cleveland Ave. to Ninth St.

Bids will be received at the office of the County Commissioners of Franklin County until Aug. 30 for the labor and material necessary to improve a portion of the Harrisburg Pike from Station O to the point where the Columbus Ry. tracks cross the highway. The improvement will be macadamizing with tarvia covering. John Scott is Clk. Bd. of Comrs.

Bids will be received at the office of the County Commissioners of Franklin County until Sept. 5 for resurfacing the North High St. Pike, from Clintonville to Worthington, in Clinton and Sharon Township. John Scott is Clk.

JUNIPER & NIXON, of Nelsonville, have been awarded contract to build 2.6 miles of road in Vinton County under the State Aid Law at $12,100. Winchell & McDaniel, of Columbus, bid $12,150.

MILLERSBURG, OHIO.—Bids will be received by the County Commissioners of Holmes County until Aug. 18 for grading and macadamizing a road 1.21 miles in length in Hardy and Berlin Townships under the provisions of the State Highway Law. Estimated cost, $9,481. J. C. Wonders is State Highway Comr.

CHARDON, OHIO.—Bids will be received at the office of the Commissioners of Geauga County, Ohio, until noon, Aug. 19, for grading and paving with brick 3.04 miles of road in Hambden Township, under the provisions of the state highway law. Estimated cost, $29,095. J. C. Wonders, Columbus, is State Highway Comr.

FREMONT, OHIO.—Bids will be received at the office of the Commissioners of Sandusky County until noon, Aug. 23, for grading and macadamizing 1.54 miles of road in Sandusky and Rue Townships, under the provisions of the state highway law. Estimated cost, $11,817. J. C. Wonders, Columbus, is State Highway Comr.

STEUBENVILLE, OHIO.—The Board of Control has awarded contract for paving and curbing Barclay Ave. to FLOTO BROS. CONSTRUCTION CO., at $14,411.

CANTON, OHIO.—Bids will be received until Aug. 17 by the County Commissioners of Stark County for grading and paving with brick 1.004 miles of road in Plain Township under the provisions of the State Highway Law. Estimated cost, $18,573. J. C. Wonders is State Highway Comr.

CANTON, OHIO.—We are officially advised that bids were received by the Stark County Commissioners on Aug. 5, for grading, draining and paving with brick 2.54 miles of road in Sugar Creek Township. Contract has been awarded to WILLIAM H. VOGT, of Massillon, Ohio, at $41,299. J. H. McConnell is County Audr.

MARIETTA, OHIO.—An ordinance has been adopted by the City Council declaring it necessary to improve Montgomery St., from Fourth St. to Fifth St., by brick paving. J. Henry Best is Clk.

ZANESVILLE, OHIO.—Bids will be received by the Board of County Commissioners until Aug. 12 for grading and paving with brick one mile of road in Springfield Township under the provisions of the State Highway Law. Estimated cost, $12,517.

LANCASTER, OHIO.—The City Council has adopted resolutions declaring it necessary to improve Wheeling St., from High St. to Front St., and Maple St., from Main St. to the first alley west of Allen St.

*SPRINGFIELD, OHIO.—Bids are asked by the Director of Public Service until noon, Aug. 20, for repaving High St., about one mile, and paving College Ave., about ¼ mile. William H. Mahoney is Clk.

PORTSMOUTH, OHIO.—Ordinances have been adopted by the City Council to proceed with the improvement of Second St., from Thompson St. to Offner's St., and Offners St., from Jackson St. to Fourth St.

PORTSMOUTH, OHIO.—Bids will be received at the office of the Commissioners of Scioto County, until noon, Aug. 23, for grading and paving with brick one mile of road in Clay Township, under the provisions of the state highway law. Estimated cost, $9,502. J. C. Wonders, Columbus, is State Highway Comr.

BRYAN, OHIO.—Bids will be received at the office of the Commissioners of Williams County until noon, Aug. 24, for grading and macadamizing 1.55 miles of road in Jefferson Township, under the provisions of the state highway law. Estimated cost, $11,060. J. C. Wonders, Columbus, is State Highway Comr.

DEFIANCE, OHIO.—Bids will be received at the office of the Commissioners of Defiance County until noon, Aug. 25, for grading and macadamizing one mile of road in Noble Township, under the provisions of the state highway law. Estimated cost, $5,944. J. C. Wonders is State Highway Comr., Columbus.

CADIZ, OHIO.—Bids will be received at the office of the Commissioners of Harrison County until noon, Aug. 25, for grading and macadamizing 2.10 miles of road in Moorefield Township, under the provisions of the state highway law. Estimated cost, $14,-847. James C. Wonders, Columbus, is State Highway Comr.

BLOOMFIELD, IND.—We are officially advised that THOMAS STINHARD has been awarded contract by the Commissioners of Greene County for a macadam road in Stockton Township, at $5,903. Bids were opened on Aug. 2. Peter M. Cook is Audr.

VINCENNES, IND.—We are officially advised that contract has been awarded by the Commissioners of Knox County to JOHN HUNCHLER, of Vincennes, for the construction of a gravel road in Vincennes Township. John T. Scott is Audr.

CRAWFORDSVILLE, IND.—We are officially advised that GEORGE B. LYNCH, of Darlington, Ind., has been awarded contract by the Commissioners of Montgomery County for the construction of a macadam road in Brown Township. Bids were opened on Aug. 2.

INDIANA.—Bids will be received for the construction of gravel roads in Indiana as follows:

Sept. 5, at 10 a. m., by the Commissioners of Clark County at Jeffersonville, Ind., for the construction of 3,607 ft. of gravel road in Monroe Township.

Sept. 15, at 11 a. m., by the Commissioners of Jennings County at Vernon, Ind., for the construction of three miles of gravel road in Vernon Township.

Sept. 5, at 11 a. m., by the Commissioners of Jennings County at Vernon, Ind., for the construction of 2½ miles of pike road in Bigger Township.

Sept. 5, at 2 p. m., by the Commissioners of Rush County, at Rushville, Ind., for the construction of a macadamized road on the line between Orange and Anderson Townships and for the construction of a macadamized road in Noble Township.

Sept. 6, at 2 p. m., by the Commissioners of Knox County at Vincennes, for the construction of 1,600 ft. of gravel road in Vincennes Township.

Sept. 8, at 1 p. m., by the Commissioners of Boone County, at Lebanon, Ind., for the construction of 2½ miles of gravel road in Sugar Township.

Sept. 6, at 2 p. m., by the Commissioners of Wabash County, at Wabash, Ind., for the construction of a gravel road in Waltz Township, and also a macadam road in Chester Township.

Sept. 5, at 10 a. m., by the Commissioners of Adam County, at Decatur, Ind., for the construction of a macadam road in Preble Township.

DECATUR, ILL.—We are officially advised that bids were received by Alfred Beach, City Clk., on Aug. 1, for 7,975 sq. yds. of vitrified block paving on 4-in. concrete base on Marietta St. Estimated cost, $18,156. Contract has been awarded to JANSEN & ZOELLER, of Pekin, Ill. A. B. Alexander is City Engr.

CHICAGO, ILL.—Bids are asked by the Board of Local Improvements until Aug. 15, for paving with brick, asphalt, granite blocks, creosoted wood blocks and macadam various streets and alleys.

STERLING, ILL.—Bids are asked by the city until Aug. 15 for macadamizing ten blocks of streets.

WAUKEGAN, ILL.—The McCUGO CONSTRUCTION CO., of Fond du Lac, has been awarded contract for building a pavement to cost about $50,000 here.

MATTOON, ILL.—The Board of Local Improvements will receive bids for improving North 19th St. until 1 p. m., Aug. 22. The improvements will consist of paving with brick on a concrete base with a cement filler and combined curb and gutter. Estimated cost, $13,145. E. L. James is City Engr.

MILWAUKEE, WIS.—The Pavement Committee of the Common Council has decided to pave North Ave., from Seventh St. to Fond du Lac Ave., with brick, and Eighth Ave., from the Kinnickinnic River to Windlake Ave., with brick.

SHEBOYGAN, WIS.—J. RASMUSSEN & SONS CO., of Oshkosh, Wis., have received contract for the brick pavement, 26,260 yds., on South Water St. The bids were: Western Improvement Co., protection curb, 3-in. 35 cts., 4-in. 64 cts., brick pavement $2.10 per yd., 4-in. curb, per ft., 24-in. 64 cts., 26-in. 75 cts., resetting 30 cts. John Braun, Sheboygan, protection curb, 3-in. 35 cts., 4-in. 50 cts., brick pavement $2.02, 4-in. curb, 24-in. 65 cts., 30-in. 72 cts. J. Rasmussen & Sons Co., Metropolitan brick, $1.83¼, Peebles or Townsend $1.85, 4-in. curb, 24-in. 55 cts., 30-in. 65 cts., resetting 15 cts.

CHARITON, IOWA.—The City Council on Aug. 1 awarded contract for paving all of North Grand St., also the street leading to the depot and the street one block east of McKelveen & Eickenberry's lumber yard and the block one block south of the post-office to J. C. BLUNK, of Ottumwa, at $2.04 per sq. yd. for paving, 55 cts. for curbing and 45 cts. for excavating. Other bidders were: Smith & Son, of Indianalo, $2.25 for paving, 50 cts. for curbing and 50 cts. for excavating; Independent Construction Co., of Davenport, $2.12½ for paving, 48 cts. for curbing and 40 cts. for excavating.

VILLISCA, IOWA.—We are officially advised that bids were received as follows on Aug. 3 by George B. Sexton, City Clk., for paving and curbing various streets: Hamilton & Schwartz, Shenandoah, Iowa, curb, 37 cts., paving $1.97, excess grading 40 cts., overhaul grading, 2 cts.; Conroy & Wright, Harlan, Iowa, 40 cts., $2.05, 40 cts. and 2 cts.; O'Farrel Construction Co., Dubuque, Iowa, 49 cts., 2.09 cts., 45 cts, 10 cts.; M. Ford, Cedar Rapids, Iowa, 49 cts., $1.97, 38 cts., 1½ cts. Theodore S. De Lay is Engr.

ST. PAUL, MINN.—Contract for repaving Dayton Ave. with asphalt, from Summit Ave. to Avon St., has been awarded by the Board of Public Works to the GENERAL CONTRACTING CO., Temple Court, Minneapolis. Estimated cost, $40,000. L. W. Rundlett is City Engr. List of bidders noted on Aug. 4.

HUTCHINSON, KAN.—The city is considering repaving and resurfacing Main St.

ST. LOUIS, MO.—Bids are asked until noon, Aug. 12, by the Board of Public Improvements for improving various streets and avenues. W. B. Dryden is Secy.

TROY, MO.—The Troy & Auburn Gravel Road Co. will receive bids until noon, Aug. 16, for the construction of about 14 miles of gravel road in Lincoln County, according to plans and specifications, which may be seen at the office of the secretary, Troy, Mo. H. E. Childers is Secy., Troy.

HOUSTON, TEX.—Ordinances extending Fannin St., from Eagle Ave. southward to the city limits were passed on Aug. 1 by the City Council.

SEATTLE, WASH.—R. H. Thomson, City Engr., has reported the estimated cost of the following street improvements: 34th Ave. N. W. and other streets, grading, $16,800; Harrison St. and other streets, grading, $67,500; West Alaska St. and other streets, grading, $109,000; Rainier Ave., grading, $32,500; 32d Ave. and other streets, concrete walks, $3,960; East 45th St. and other streets, paving, $13,000; Beacon Ave. and other streets, paving, $100,000; McLellan St. and other streets, paving, $26,000; 38th Ave. and other streets, paving, $18,200; Eighth Ave. South, paving, $77,000; 15th Ave. West, planking, $4,800; Olive St. and other streets, planking, $12,600.

The following contracts for street improvements have been awarded by the Board of Public Works: Lowman Drive and other streets, to JOHN KALBERG, at $17,072; California Ave. and other streets, grading, to JOHN KALBERG, at $12,936; West Rose St. and other streets, grading, to N. McKINNON, at $70,014; Waters St. and other streets, grading, to ANDREW PETERSON & CO., at $84,424; West 67th St. and other streets, concrete walks, to W. H. SMITH, at $6,581.

WALLA WALLA, WASH.—Contract for paving East Alder St. has been awarded by Council to the PACIFIC PAVING CO., at $1.87 a sq. yd.

TACOMA, WASH.—The Board of County Commissioners has decided to build the scenic drive along the bluff in the west side of Comment Bay at a cost of $47,000 as soon as deeds for the right-of-way, which are filed in the hands of the petitioner, are delivered to the county. The road will be 5½ miles long and 100 ft. wide.

SHELTON, WASH.—The Board of County Commissioners will receive bids until 10 a. m., Aug. 15, for the construction of the Purdy Canon Road.

At the same place and time bids will be received for the construction of the South Shore Road. Plans filed in the office of Edward Hans, County Audr.

HERMOSA BEACH, CAL.—The BARBER ASPHALT PAVING CO. has been awarded contract for improving Primrose Ave. at 17.2 cts. per sq. ft., totaling $6,000.

SANTA MONICA, CAL.—Carl F. Schader, Seaside Terrace, has let contract to FRED. H. STOUT, Fay Bldg., Los Angeles, for grading, constructing concrete roads, sidewalks and sewer system in Seaside Terrace tract, at about $14,600.

PASADENA, CAL.—J. E. HADDOCK has been awarded contract for oiling, grading, curbs and gutters on Chester Ave., at $6,-622; also for laying a sidewalk on Chester Ave.

J. C. KINSMAN has been awarded contract for the following street work: Sidewalk on Catalina Ave., grading, curbing and gutters on Summit Ave., grading, oiling, curbs and gutters on Kirkwood Ave., grading, curbs and gutters on Catalina Ave.

The city has ordered the grading, curbing and guttering of a portion of Lincoln Ave. and Old Fair Oaks Ave.; also grading and asphalt paving of El Molino Ave., from Colordo St. to Villa St., and the construction thereon of cement curbs and gutters.

LOS ANGELES, CAL.—The Board of Public Works have awarded the following contracts: For improving Isabel St., to S. McCRAY, at $12,364; for improving Cornwell St., to D. D. CHAPMAN, at $6,621; for improving Rockwood St., to the LOS ANGELES BRIDGE & CONSTRUCTION CO.

Bids were opened on Aug. 1 by the County Board of Supervisors for improving portions of the Altadena Drive. A. C. St. John, 1017 Ingraham St., bid $27,500; Class A concrete, $15 per cu. yd.; Class C, $13; steel, 5 cts. per lb.

The Board of Public Works has awarded contract to T. E. SHAFER for improving Morton Ave., at $15,801.

MALAD, IDAHO.—The WHEELWRIGHT CONSTRUCTION CO., of Ogden, Utah, has been awarded contract for constructing one mile of cement sidewalk here, at $5,000. The company will start work about Sept. 1.

SANDPOINT, IDAHO.—Bids will be received until 10 a. m., Aug. 13, by I. Well, Clk. Bd. County Commissioners, for the construction of improvements No. 2 of the Longworth Road.

OSHAWA, ONT.—Bids are asked until noon, Aug. 18, by Frank Chappell, Town Engr., for the construction of 4,000 lin. ft. of first-class heavy macadam pavement, 43 ft. wide on King St. and Simcoe St., and 2,500 ft. of light macadam, 32 ft. wide, on Simcoe St.

MOOSE JAW, SASK.—Bids will be received by W. F. Heal, City Clk., until 8.30 p. m., Aug. 15, for supplying materials for and constructing approximately 63,000 sq. ft. of concrete walks, 9,000 lin. ft. of combined curb and gutter, 6,000 sq. ft. of concrete crossings, 6 miles of wooden walks. J. M. Wilson is City Engr.

MANUFACTURING PLANTS.

(*Denotes that this work is advertised in Engineering News.)

MELROSE, MASS.—The Sanford Mfg. Co., of Melrose, has awarded the contract for an additon to its factory to the J. W. BISHOP CO., of Worcester, Mass.

SPRINGFIELD, MASS.—TUCKER & VINTON, 103 Park Ave., New York, have secured the contract for the factory to be erected at Brightwood for the Bosch Magneto Co. The building will be built of reinforced concrete, four stories, 55 × 314 ft., with two ells, 65 × 70 ft. and 59 × 22 ft. There will be two elevators, a steel and tar and gravel roof, steam heat, electric lights, etc. Otto Klein, of New York, is Engr.

MECHANICSVILLE, R. I.—The contract for a weave shed for the French Textile Co., at Mechanicsville, has been let to the J. W. BISHOP CO., of Worcester, Mass.

UTICA, N. Y.—See item under Buildings.

NEW YORK, N. Y.—Kastner & Dell, Archs., 1135 Broadway, have been commissioned to prepare plans for a 4-story brick, fireproof bottling house, 100 × 50 ft., for the Lion Brewery, Columbus Ave. and 108th St. Josephine Del Drago is President, and Herman P. Calvi, Secy. The building is to be erected on 107th St., near Columbus Ave. No contract has been awarded.

The New York Barber Towel Supply & Steam Laundry Co., 34 Cooper Sq., has awarded to E. RIGER & CO., 169 East Broadway, the general contract for the 3-story laundry building, of brick and stone, reinforced concrete, 50 × 97 ft., to be erected at 332 East 32d St. Eisendrath & Horowitz, 500 Fifth Ave., are Archs., and A. M. Feldman, 120 Liberty St., is Engr.

WEST HOBOKEN, N. J.—It is reported that WILLIAM HENSCH, Rutherford, has the masonry contract, and VINCENT MILLER, East Rutherford, has the carpentry contract, to erect a factory building on Paterson Ave. for the Neuweidler Embroidery Works of West Hoboken.

PHILADELPHIA, PA.—John P. Holt, Walnut Lane, Philadelphia, will build a 2-story factory, 157 × 63 ft., on the east side of Main St., below Walnut Lane, Manayunk, at a cost of $15,000.

The Bureau of Building Inspection has approved plans for a $90,000 manufacturing plant in Franklin for Hiram E. Perry, of the Keystone Finishing Works. There will be a

7-story manufacturing building, 188 × 92.6 ft., and a 1-story engine house, 24.5 × 36 ft. The floor space will be 50,000 sq. ft. M. Ward Easby is Engr.

JOHN N. GILL & CO., 1215 Filbert St., Philadelphia, have obtained a permit for a 6-story concrete factory, 121 × 65.9 ft., on the east side of 17th St., north of Glenwood Ave., for the Electric Service Supplies Co., 1020 Filbert St., to cost $58,000.

SOUTH SHARON, PA.—It is stated that the Mercer County Brewing Co. recently awarded a contract to BOLLINGER BROS., Empire Bldg., Pittsburg, for the erection of a brewery at South Sharon, to cost $145,000. It will be completed in five months and will have an annual capacity of 50,000 bbls. C. J. McGuiggan, of Pittsburg, is Pres.

JUNIATA, PA.—GEORGE A. KIEFFER, Contractor, of Mount Carmel, has been awarded the contract for the proposed Juniata silk mill, at $60,000. The Juniata plant will be a branch of the Altoona plant.

*FORT DU PONT, DEL.—See item under Buildings.

BALTIMORE, MD.—The Western Maryland R. R. Co., H. R. Pratt, Ch. Engr., Continental Bldg., has purchased the site adjoining the Port Covington Terminals and plans the construction of a grain elevator with a capacity of 500,000 bushels.

FAIRMONT, W. VA.—The Fairmont Mining Machinery Co., a subsidiary company of the Consolidation Coal Co., has made an appropriation of $100,000 to build and equip a 3-story fireproof building in addition to the plant already installed. The plant will be built immediately. The building will be 60 × 160 ft., will be constructed of steel and concrete and will be fireproof. The company will also erect stock sheds, will construct additional railroad siding and will extend the tracks of the Fairmont & Clarksburg Traction Co. into the property. The company will install a 10-ton electrical traveling crane. This crane will operate to the end of the 65-ft. extension to the main shop and will also operate into the shipping yard. There will also be a 5-ton electrical traveling crane in the yards to load and unload material for manufacture and for the handling of equipment manufactured. The offices of the company will be moved from the main building into the warehouse building. There will be installed in one end of the machine shop building equipment for repairing electrical machinery. In order to fully stock and equip the additions to the plant the company recently increased its capital stock from $100,000 to $500,000.

JACKSONVILLE, FLA.—A permit was issued recently by the Building Commissioner to the Florida Publishing Co. for the erection of a 2-story and basement reinforced concrete and brick structure at the southwest corner of Adams and Cedar Sts. The structure is to be owned by the Florida Times-Union, and will be as nearly fireproof in its construction as possible. The building is to be 90 × 100 ft., and will cost $50,000. The material to be used on the exterior will be red fire brick, laid between concrete pilasters, while the trimmings, over the window frames and cornices, are to be of gray brick. The interior will also be finished with gray brick. The roof, floors, etc., will be of solid concrete. All other accessories will be of fireproof material. Plans for the building were prepared by J. H. W. Hawkins, Arch., Realty Bldg., Jacksonville, and the contract has been let to the LIGHTMAN & McDONALD CO., of Nashville, Tenn. The terms of the contract call for a completion of the concrete and brick work by Sept. 25. It is expected that the entire structure will be completed and ready for occupancy by December and it is the intention of the Times-Union to be installed by the first of the new year.

VICKSBURG, MISS.—The Vicksburg Traction Co. will build a car house and repair shop in Vicksburg within six months. W. B. Moorman, Vicksburg, is Gen. Mgr.

YOUNGSTOWN, OHIO—George A. Wallace, of New Castle, Pa., has purchased land in Youngstown for the purpose of erecting an industrial plant for the manufacture of automobile parts. It is stated that the plant will cost $2,000,000.

CANTON, OHIO.—A building permit was recently issued by B. F. Faust, City Clk., to the American Sheet & Tin Plate Co. for extensive improvements at the Roll & Machine Works on Fairfield Ave. A steel addition, 60 × 120 ft., will be added to the foundry of the plant. There will be two lean-to structures also. Foundations for these buildings have been set. The structural iron is being furnished by the AMERICAN BRIDGE CO.

MARTIN'S FERRY, OHIO.—The Whittaker-Glessner Steel Co., of Wheeling, W. Va., is receiving bids for changes and additions to be made to its Martin's Ferry plant, across the Ohio River from Wheeling. Over $50,000 worth of new equipment will be installed.

JEFFERSONVILLE, IND.—Elberts & Bro. announce that they will build an addition to their flour mill. The structure will be of brick and two stories high.

PLAINVILLE, IND.—The Plainville Milling Co. has been incorporated to build a $15,000 flour mill. W. A. Killion is Pres. and J. M. Dyer is Secy.

YORKTOWN, IND.—The Union Fibre Co. announces that it will erect an addition to its factory. New machinery will be installed.

VINCENNES, IND.—The Broadway Flour Mill, recently destroyed by fire, will be rebuilt. Christian Huffman, the owner, will ask for bids soon. The new mill will cost $60,000.

ELKHART, IND.—The Star Match Co.'s plant, destroyed by fire recently, entailing a loss of $100,000, will be rebuilt.

ANN ARBOR, MICH.—Herman W. Pipp let the general contract on July 20 for a factory, 60 × 200 ft., to be located in Ann Arbor, to A. R. COLE & CO., Ann Arbor. Cost, $20,000.

DETROIT, MICH.—Albert Kahn and E. Wilby, Trussed Concrete Bldg., will soon take figures on an automobile factory building, three stories, 64 × 80 ft., for the Ford Motor Car Co., James Couzens, Secy., Woodward and Manchester Aves. The building is to be of stock brick, mill construction, with concrete foundation, composition roof, structural iron and electric fixtures. Cost, $20,000.

Albert Kahn and E. Wilby, 800 Trussed Concrete Bldg., have let the general contract for the 4-story and basement factory building, for the Burroughs Adding Machine Co., Joseph Boyer, Pres., Second Ave. and Amsterdam St., to the STERLING ENGINEERING CO., 603 Caswell Bldg., Milwaukee, Wis. The building is to be constructed of brick and reinforced concrete and 240 × 65 ft.

WHITEHALL, MICH.—Byron E. Parks, 73 Hague Ave., Detroit, has prepared plans for a 3-story factory building, 356 × 50 ft., for the Eagle Tanning Co., H. C. McConnell, Pres. The building will be of brick and reinforced concrete. Cost, $28,000.

CUDAHY, WIS.—We are officially advised that the Milwaukee Vinegar Co., of Milwaukee, Wis., has contracted with MOULTON & EVANS, Corn Exchange, Minneapolis, Minn., to build a fireproof grain elevator at Cudahy, Wis. The storage tanks will be built of brick with concrete foundations and tile roof.

ALBUQUERQUE, N. MEX.—The Charles Ilfeld Co. will erect a 2-story, reinforced concrete warehouse and cold storage plant here. The building will be 200 × 169 ft.

LOS ANGELES, CAL.—The Pittsburg Foundry Co., 2418 Santa Fe Ave., will erect a foundry, 40 × 70 ft., on North Main St., Los Angeles. New machinery and a traveling crane is to be installed. H. E. Colby is Mgr.

SACRAMENTO, CAL.—S. H. Hatcher, of Pasadena, Cal., plans to erect an ice plant with a capacity of 100 tons a day; also a warehouse. The complete plant will cost $150,000.

BAKERSFIELD, CAL.—The Bakersfield Iron Works will erect a machinery building, 100 × 150 ft., at the plant here.

TUCSON, ARIZ.—The Tucson Sash, Door & Mill Co. will rebuild its plant, recently destroyed by fire. E. E. Jones is proprietor.

THREE RIVERS, QUE.—The Union Bag & Paper Co., of Watertown, Mass., will erect a pulp mill at Three Rivers, it is stated.

NIAGARA FALLS, ONT.—The Hawes-von Gal Hat Co., of Danbury, Conn., will erect a factory here at Clifton Ave. and Queen St.

WALKERVILLE, ONT.—Albert Kahn and E. Wilby, Trussed Concrete Bldg., Detroit, Mich., are taking figures on a 3-story brick and reinforced concrete factory, 80 × 90 ft., for the Ford Motor Car Co., James Couzens, Secy., Detroit, Mich. The factory will cost $22,000.

CULIACAN, MEX.—Dr. B. A. Kirkpatrick and W. Dowdle, of Nogales, Ariz., are contemplating the erection of a brewery here.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERVICE.—All news concerning canal and irrigation projects, etc., will be found under Water Supply—Irrigation.

*DREDGING.—Savannah, Ga.—Bids are asked by Col. Dan C. Kingman, Corps Engrs., U. S. A., until noon, Sept. 8, for dredging in Club and Plantation Creeks, Ga.

GRADE CROSSINGS.—Cleveland, Ohio.—On July 22 the city voted to issue $2,000,000 of bonds to eliminate grade crossings in Cleveland. Robert Hoffman is City Engr.

*DREDGING.—Norfolk, Va.—Bids will be received by Lieut.-Col. Mason M. Patrick, Corps Engrs., U. S. A., Norfolk, until noon, Aug. 29, for dredging Appomattox River, Va.

*DREDGING.—Jacksonville, Fla.—Bids will be received by Capt. George P. Spalding, Corps Engrs., U. S. A., Jacksonville, until noon, Sept. 6, for dredging in Hillsboro Bay, Fla.

WHARF.—Dover, N. S.—Bids will be received until Aug. 15 by the Department of Public Works, Ottawa, for constructing a wharf at Dover. R. C. Desrochers is Asst. Secy.

DITCH.—Nevada, Iowa.—Bids will be received until Aug. 15 by F. G. Dunahugh, County Audr., for constructing Boone-Story Ditch No. 3, about 71,744 ft. of 6 to 30-in. tile.

SEA WALL.—New Orleans, La.—The City Engineer is contemplating plans and specifications for a sea wall and filling at West End, to be about 2,700 ft. long and 14 ft. high.

*RIPRAP.—New London, Conn.—Bids are asked by Lt. Col. Harry Taylor, Corps Engrs., U. S. A., until 3 p. m., Sept. 8, for delivering riprap stone in breakwater at New Haven, Conn.

WHARF.—Port Felix, N. S.—Bids will be received until Aug. 15 by the Department of Public Works, Ottawa, Ont., for constructing a wharf at Port Felix. R. C. Desrochers is Asst. Secy.

DREDGING.—Conneaut, Ohio.—Bids will be received until Aug. 25 by Col. John Millis, Corps Engrs., U. S. A., 813 Prospect Ave., S. E., Cleveland, Ohio, for dredging Conneaut Harbor.

MONUMENT.—Lagrange, Ind.—L. D. Cathier, Chn. of the Bldg. Com., announces that bids will be asked for soon for the construction of a Soldiers' monument in the Court House Sq.

*DREDGING.—Port Washington, Wis.—Bids will be received by Maj. Charles S. Bromwell, Corps Engrs., U. S. A., Milwaukee, until 3 p. m., Sept. 1 for dredging at Port Washington Harbor.

WHARF.—Aylmer, Que.—It is reported that bids will be received until Aug. 15 by the Department of Public Works, Ottawa, Ont., for constructing a wharf at Aylmer. R. C. Desrochers is Asst. Secy.

*DREDGING.—Jacksonville, Fla.—Bids are asked by Capt. George R. Spalding, Corps Engrs., U. S. A., until noon, Sept. 8, for rock excavation in St. Johns River, Fla., opposite the city of Jacksonville.

PIER.—Port Arthur, Tex.—The GULF CONCRETE CONSTRUCTION CO., of Houston, Tex., has submitted the lowest bid for constructing the pleasure pier for the Plaza Amusement Co. Cost, about $150,000.

DITCH.—Minneapolis, Minn.—Bids were received on Aug. 1 by Hugh R. Scott, County Audr., for digging and constructing Ditch No. 19. The contract has been let to SKOOG & JOHNSON, of Grandy, Minn., at $10,824.

*LOCK AND DAM.—Mobile, Ala.—Bids are asked by Maj. H. Jervey, Corps Engrs., U. S. A., Mobile, until 11 a. m., Sept. 17, for building Lock and Dam No. 17, and lock-tender's house, Block Warrior River, Ala.

DITCH.—Hastings, Minn.—P. O. Hoffman, Co. Aud., writes that the contract for constructing Ditch No. 2 has been awarded to W. H. SHERWOOD, of Alexandria, Minn., for $17,487. P. O. Hoffman is County Audr.

STEPS, WALLS.—New York, N. Y.—Bids are asked by The Park Board until 3 p. m., Aug. 18, for the erection and completion of steps and adjoining walls for the Fifth Ave. entrance to Sunset Park, Boro. of Brooklyn.

GRADE CROSSINGS.—Columbus, Ohio.—An ordinance has been adopted by the City Council to proceed with the elimination of the grade crossing of the Baltimore & Ohio R. R. Co. at several of the streets in the West End.

BREAKWATER.—Richibucto, N. B.—Bids will be received until Aug. 17 by the Department of Public Works, Ottawa, Ont., for constructing an extension to the breakwater at Richibucto Cape. R. C. Desrochers is Asst. Secy.

CEMENT.—Atlanta, Ga.—Bids are asked by R. V. La Dow, Supt. of Prisons, Washington, D. C., until 10 a. m., Aug. 24, for furnishing and delivering at the U. S. penitentiary at Atlanta, Ga., 10,000 bbls. of Portland cement.

IRON FENCE.—Cleveland, Ohio.—Bids will be received until Aug. 17 by the Board of Trustees Cleveland State Hospital for constructing 2,333 ft. of iron fence on the hospital grounds fronting Turney Ave. Charles H. Clark is Secy.

FIRE ENGINE.—Washington, D. C.—Bids are asked until 2 p. m., Sept. 1, by the District Commissioners, for furnishing one straight double 85-gallon tank chemical engine for use in the Fire Department of the District of Columbia.

WALLS, DAMS, ETC.—Jacksonville, Fla.—Bids are asked by Capt. George R. Spalding, Corps Engrs., U. S. A., until noon, Sept. 7, for furnishing material and raising and building training walls, dams and shore protection in St. Johns River, Fla.

DITCH.—Marshall, Minn.—Bids were received on July 23 by Ernest S. Shepard, County Audr., for constructing Judicial Ditch No. 7, requiring about 68,962 yds. of excavation. The contract has been let to LOVE & HEWITT, of Marshall, at $6,206.

RETAINING WALL.—Norfolk, Va.—The contract for constructing the retaining wall along Mowbray Arch to Olney Rd., Dundaff St. and Pembroke Ave., has been awarded by the Board of Control to E. CROSS & SON CO., at $8.40 per running ft.

DITCH.—Jacksonville, Ill.—M. J. O'MEARA & SON, of Cullom, Ill., have secured contract for 149,149 cu. yds. of ditch work and 7,507 cu. yds. of levee at 9,625 cts. per cu. yd. C. H. Brown, Jacksonville, is Engr. Indian Creek Drainage District. Noted last week.

BATTLESHIPS.—Washington, D. C.—Bids for the construction of one of the two battleships and the two colliers authorized by Congress will be advertised for by the Navy Department on Oct. 1, according to an announcement made by the Acting Secretary of the Navy.

MONUMENT.—Vincennes, Ind.—The County Council has appropriated $50,000 for the construction of a soldiers' monument in Court House Sq. Bids will be invited as soon as plans are completed and approved. The contract will be let by the Commissioners of Knox County.

FORGINGS, SHELL.—Washington, D. C.—Bids are asked by the Chief of Ordnance, Washington, D. C., until Aug. 12, for furnishing steel forgings for 14-in. gun, Model 1910, and one jacket forging; 800 10-in. c.-i. shells, Model 1907; two sets of steel forgings for 6-in. guns, Model 1908.

*TOWBOAT.—New Orleans, La.—Bids were received on July 28 by Maj. H. Burgess, Corps Engrs., U. S. A., for constructing and delivering at New Orleans the steel hull sternwheel towboat "Lafourche." The contract has been let to the JOHNSON IRON WORKS, Julia and Delta Sts., New Orleans, La., at $39,000.

*TUNNEL.—Boston, Mass.—Bids are asked by the Boston Rapid Transit Co., B. Leighton Beal, Secy., 15 Beacon St., until noon, Aug. 30, for constructing Section 2, Beacon Hill Tunnel, for Cambridge connection, including a 3-platform station under a portion of the existing Park St. Subway Station and Boston Common.

PIER.—New York, N. Y.—Bids are asked by the Department of Docks and Ferries until noon, Aug. 22, for Contract No. 1192, for furnishing all the labor and material required for preparing for and building the exterior pier, with appurtenances, at the mouth of Whale Creek, Newtown Creek, Boro. of Brooklyn.

RIPRAP.—Washington, D. C.—Bids will be received by Lieut.-Col. H. C. Langfitt, Corps Engrs., U. S. A., 920 17th St., N. W., Washington, until Sept. 3, for furnishing and placing riprap or cobblestones on the seawall, Anacostia River, D. C., and constructing and repairing jetties in Occoquan, Nomini and Urbana Creeks and Milford Haven, Va.

FREIGHT SHED.—New York, N. Y.—Bids are asked by the Department of Docks and Ferries until noon, Aug. 17, for Contract No. 1225, for furnishing all the labor and materials required for preparing for and building a new steel freight shed, with appurtenances, on the pier and adjacent bulkhead at the foot of West 131st St., Boro. of Manhattan.

DREDGING.—San Diego, Cal.—Bids are asked by Capt. W. P. Stokey, Corps Engrs., U. S. A., Central Bldg., Los Angeles, until 11 a. m., Sept. 8, for dredging in San Diego Harbor. The work will consist of dredging a channel 600 ft. wide and 30 ft. deep through the middle ground just inside the harbor entrance. Estimated quantity to be removed, 460,000 cu. yds.

SHORE PROTECTION, PIER.—Racine, Wis.—Bids were received on Aug. 6 by the Board of Public Works, P. H. Connolly, Chn. and City Engr., for constructing concrete lake shore protection; also same time for constructing a concrete pier. The contract has been let to the INTERLOCKING CONCRETE CONSTRUCTION CO., of Chicago, Ill., at the following prices: 913 lin. ft. shore protection, at $20 per ft.; 200 lin. ft. pier, at $26 per ft.

WHARF.—Los Angeles, Cal.—It is the intention of the National Lumber Co., 2010 South Alameda St., Los Angeles, to build 500 ft. of wharf at Terminal Island, which is located at San Pedro Bay. The plans have been drawn up and work will be commenced as soon as permission is granted by the City of Los Angeles, which has jurisdiction over that particular district.

PIER.— New York, N. Y.—Bids are asked by the Department of Docks and Ferries until noon, Aug. 17, for Contract No. 1220, for furnishing all the labor and materials required for preparing for and extending the pier at the foot of West 134th St., North River, Boro. of Manhattan, known as Pier 124, North River, and for furnishing and depositing cobble and riprap thereat.

BATH, ETC.—Baltimore, Md.—Eugene Levering, Comr. for Public Baths, has commissioned Theodore W. Pietsch, American Bldg., Arch., to prepare plans and specifications for the proposed public bath and comfort station to be erected on West St. between Charles and Light Sts. It will be brick, one story and basement, and 40 × 90 ft. Bids will be invited as soon as the plans are completed.

RACE TRACK, AVIATION FIELD.—Tacoma, Wash.—J. R. Corbus, Pres. of the Creditors' Protective Association, of Tacoma, is promoting the organization of a corporation to build an automobile race track and aviation field to cost, including the purchase of the land, about $150,000. An amphitheatre will be erected also. Mr. Corbus states that $100,000 of the required sum is subscribed.

*LOCKS AND DAMS.—Pittsburg, Pa.—Bids are asked until noon, Sept. 8, by Lieut. Col. H. C. Newcomer, Corps Engrs., U. S. A., Pittsburg, Pa., for constructing Lock and Dam No. 9, Ohio River, at New Cumberland, W. Va.

Bids are asked until noon, Sept. 8, by Lieut. Col. H. C. Newcomer, Corps Engrs., U. S. A., Pittsburg, Pa., for constructing Lock and Dam No. 7, Ohio River, at Midland, Pa.

COAL-HANDLING PLANT. — Columbus, Ohio.—Bids were received on July 18 by the Board of Trustees, Ohio State University, for the erection of a coal-handling and storage plant, including locomotive crane, at the power-house at the Ohio State University. Carl E. Steeb, Secy. The following contracts have been let: Locomotive crane, OHIO LOCOMOTIVE CO., Bucyrus, Ohio; structural iron work, CHAMPION IRON CO., Kenton, Ohio.

LEVEE.—New Orleans, La.—Bids were received on Aug. 1 by Maj. H. Burgess, Corps Engrs., U. S. A., U. S. Engr. Office, 3838 St. Charles Ave., New Orleans, for constructing about 334,000 cu. yds. of earthwork in the Lower Tensas Levee District. The following bids have been recommended for acceptance: Hearin & Ryan, Baton Rouge, La., 111,000 cu. yds. Mellwood Levee, 112,000 cu. yds. Myrtle Grove Levee and 111,000 cu. yds. Waterproof Levee at 15.23 cts. per cu. yd.

*BARGE CANAL.—Albany, N. Y.—Bids are asked by F. C. Stevens, Supt. of Pub. Works, Albany, until noon, Sept. 7, for the following canal contracts: No. 22, for constructing new highway bridges and raising existing highway bridges over Erie Canal, between Cold Spring and Free Bridge; Contract 37, for improving the Oswego Canal, between Fulton and Oswego, 9.73 miles; Contract 50, for constructing a reservoir on the West Canada Creek: area of reservoir inside of clearing line, about 6.1 sq. miles.

DITCH.—Sioux City, Iowa.—Bids were received on Aug. 1 by E. E. Hosmer, County Audr., for the construction of Garretson ditch and laterals in Woodbury County. The main ditch is ten miles long, with an approximate excavation of 255,000 cu. yds. There are 16 laterals of an aggregate length of 23.7 miles and a total excavation of approximately 262,000 cu. yds. G. Y. Skeels is Engr., Sioux City. The contract has been let to the CANAL CONSTRUCTION CO., 188 Madison St., Chicago, at from 10.8 to 15 cts. per yd.

COAL ELEVATOR.—Waterbury, Conn.—Bids were received on Aug. 6 at the office of Charles H. Preston, Jr., C. E. Holmes Bldg., Waterbury, Conn., for the construction of a coal pocket and elevator of heavy timber and reinforced concrete construction for John Byron, Jackson St., Waterbury. Of five bidders, the A. JOHNSTONE BUILDING & CONSTRUCTION CORPORATION, of Waterbury, Conn., was lowest and will be awarded the contract. A long coaling trestle will be constructed and electric power installed to elevate all coal from cars into the pockets.

*SEAWALL, DREDGING.—New Orleans, La.—Bids will be received by Charles R. Kennedy, City Comptroller, until 11 a. m., Sept. 19, for the construction of a reinforced-concrete seawall on pile foundation,

said wall to be about 2,700 ft. long and 14 ft. highway in the bed of Lake Pontchartrain at West End, New Orleans; also sealed proposals will be received at the same time and place, for filling in with earth dredged from the bed of Lake Pontchartrain, the area between the said seawall and the lake shore, embracing approximately 400,000 cu. yds. of earth. W. J. Hardee is City Engr.

DREDGING, RIPRAP.—New York, N. Y.—Bids were received by Calvin Tompkins, Comr. Docks and Ferries, on Aug. 8, for (a) dredging about 200,000 cu. yds. on the North River, Boro. of Manhattan; also (b) for furnishing, delivering and putting in place about 25,000 cu. yds. of riprap stone: (a) O'Brien Bros., 54 South St., New York, 30 cts. per sq. yd.; Bouker Contracting Co., 21 State St., New York, 42 cts.; H. Steers, Inc., 17 Battery Pl., New York, 44½ cts.

(b) R. G. Packard Co., 130 Pearl St., New York, 12 8-9 cts. per cu. yd.; Taylor Dredging Co., 13⅛ cts.; Henry Du Bois & Son, 13.47 cts.; William Beard, 15½ cts.

•REMOVING ROCK, GRAVEL, ETC.—New York, N. Y.—The following bids were received by Col. William T. Rossell, Corps Engrs., U. S. A., 39 Whitehall St., on July 22, for removing marl, gravel rock, hard pan and boulders from Arthur Kill, N. Y., and N. J., price per cu. yd.: JOHN & JOSEPH McSPIRIT, 118 Wayne St., Jersey City, N. J., $3.25 (awarded contract); R. G. Packard Co., 130 Pearl St., New York, $1.49 for work off Tremley Point and $3.20 for work at the B. & O. bridge; International Contracting Co., 17 Battery Pl., New York, $3.28; P. Sanford Ross, Inc., 277 Washington St., Jersey City, N. J., $11.90. The amount to be removed is from 12,000 to 24,000 cu. yds.

LEVEE.—Vicksburg, Miss.—Bids were received on July 21 by Capt. Clarke S. Smith, Corps Engrs., U. S. A., Mississippi River Commission, Third District, Vicksburg, for about 1,180,000 cu. yds. of levee work in this district, and for furnishing 30,000 cu. yds. of stone, 30,000 cords of willow brush and poles, and for wire and manila rope, silicon bronze wire, wire strand, spikes, etc. The following are the lowest bids received: Albamarle new levee, about 700,000 yds., Clark, Bobbitt & Co., 18½ cts. to 19.9 cts. on various parts of the work; Donovan & Daly, at 19.4 cts. on Mascot levee of 80,000 yds.; H. F. Garbish, 15.7 cts. on Henderson levee, 50,000 yds.; Helbason Bros., on Hollybrook levee, 25.9 cts. on 90,000 yds., and Laurance Bros., lowest bid, on Arkansas extension levee.

U. S. POSSESSIONS.

•CEMENT.—Porto Rico.—Bids will be received at the office of John A. Wilson, Comr. of the Interior, San Juan, Porto Rico, until 2 p. m., Aug. 22, for furnishing and delivering 5,000 bbls. of Portland cement. J. M. Giles is Acting Ch. Engr.

STEEL BARS, ETC.—Panama.—Bids will be received until Aug. 29 by Capt. F. C. Boggs, Corps Engrs., U. S. A., Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for furnishing deformed steel bars, etc., as per Circular No. 599.

LUMBER.—Panama.—Bids were received as follows on Aug. 5 by the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for furnishing 740,000 ft. B.M. of lumber, Douglas fir or long leaf yellow pine, for the Isthmus, deliveries on fir being at Ancon (Pacific port) and on pine at Colon (Atlantic port). (Bids are on pine unless otherwise stated): G. S. Baxter & Co., 15 William St., New York, $17,723, 85 days; Bay Shore Lumber Co., Mobile, Ala., $16,723, 44 days; Chicago Lumber & Coal Co., St. Louis, Mo., $17,082, 89 days; G. Elias & Bro., Buffalo, $19,425, 100 days; William D. Gill & Sons, Baltimore, $21,513, 120 days; J. J. Newman Lumber Co., St. Louis (by E. J. Hurst), $16,782, 57 days; J. K. Joice, Chicago, $21,400, 60 days; Charles Nelson Co., San Francisco, $17,071, 90 days, fir; Salmen Brick & Lumber Co., New Orleans, $19,437, 85 days; W. R. Grace & Co., San Francisco, $16,058, 70 days, fir. The time of delivery is an important element in the award.

LOCK MATERIAL.—Panama.—Bids were received as follows on Aug. 8, by F. C. Boggs, Capt. Corps of Engrs., U. S. A., Gen. Purchasing Officer, Isthmian Canal Comn., Washington, D. C., for lock material. Class 1, material required for 25 sets of valve frames, comprising 124,000 lbs. structural steel, 626,000 lbs. cast-steel, 3,781,000 lbs. cast-iron, 456,000 lbs. structural steel for tracks, 570 lbs. bronze bolts, 96,000 lbs. steel bolts and nuts, 57,000 standard rails, 30,000 lbs. cast-iron washers; Class 2, material required for 80 cylindrical valves, complete, comprising 1,174,000 lbs. special cast-iron, 652,000 lbs. cast-iron, 300 lbs. cast-steel, 14,000 lbs. forged steel, 68,000 lbs. steel bolts and nuts, 3,700 lbs. cast-iron washers, 63,000 lbs. galvanized flanges and couplings, 108,000 lbs. iron or steel lap-welded pipe (galvanized), 112,000 lbs. galvanized steel pipe, 2,300 lbs. leather; Class 3, material required for 360 snubbing hooks, complete, comprising 54,000 lbs. structural steel, 4,320 lbs. cast-iron washers, 14,400 lbs. bolts and nuts (wrought-iron), 88,200 lbs. cast-steel and 512,000 lbs. structural steel, required for 80 girders, complete (Item 23): Baltimore Bridge Co., Baltimore, Md., (3) $20,609; Detroit Steel Casing Co., 45 Broadway, New York, (3) except Item 23, $7,466; Keystone Steel Foundries Co., Washington, (1) $242,807; Manning, Maxwell & Moore, 85 Liberty St., New York, (1) $262,395, (2) $135,837, (3) $20,007; McClintic-Marshall Construction Co., Park Bldg., Pittsburg, (3) $19,969; Penn Bridge Co., Beaver Falls, Pa., (1) $467,949, (3) $32,167; Pennsylvania Steel Co., Philadelphia, (3) $18,108; Power & Mining Machinery Co., 115 Broadway, New York, (3) $24,643; Rosedale Foundry & Machone Co., Pittsburg, (1) $312,964; (2) $127,110; Ross Meehan Foundry Co., Chattanooga, Tenn., (2) $128,332; Union Foundry & Machine Co., Pittsburg, (3) $25,299; U. S. Steel Products Export Co., New York, (3) $19,653; Wheeling Mould & Foundry Co., Wheeling, W. Va., (1) $213,704, (2) $158,212, (3) $19,262; Camden Iron Works, Camden, N. J., (1) $269,135, (3) $30,247.

EXAMINATIONS.

AID.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Aug. 24-25 to secure eligibles from which to make certification to fill vacancies as they may occur in the position of Aid, Bureau of Standards, Dept. of Commerce and Labor, at salaries of $600 and $720 a year. Men only will be admitted to this examination. Age limit, 20 years. Application form 1312.

COMPUTER.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Sept. 7-8, to secure eligibles from which to make certification to fill a vacancy in the position of Computer, Coast and Geodetic Survey, $1,200 a year, and vacancies requiring similar qualifications as they may occur in that survey, unless it shall be decided in the interest of the service to fill the vacancy by reinstatement, transfer, or promotion. Age limit, 20 years. Application form 1312.

ASSISTANT PLANT PATHOLOGIST.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Aug. 24, to secure eligibles from which to make certification to fill a vacancy in the position of Assistant Plant Pathologist, Dept. of Agriculture, at an entrance salary of from $1,600 to $1,800 a year (depending upon ability), and vacancies requiring similar qualifications as they may occur in that department, unless it shall be decided in the interest of the service to fill the vacancy by reinstatement, transfer, or promotion. Men only will be admitted to this examination. Competitors will not be assembled for any of the tests. Applicants must have reached their twenty-eighth birthday, but not their fortieth birthday, on the date of the examination. Application form 304 and special form. Applications must be filed prior to closing hour on Aug. 24.

CIVIL ENGINEER AND SUPERINTENDENT OF CONSTRUCTION.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Sept. 14-15, to secure eligibles from which to make certification to fill vacancies in the position of Civil Engineer and Superintendent of Construction, $1,500 a year each, in the Quartermaster's Department at Large, San Francisco, Cal., Fort Bayard, N. Mex., and Washington, D. C., and vacancies requiring similar qualifications as they may occur in any branch of the service, unless it shall be decided in the interest of the service to fill the vacancies by reinstatement, transfer or promotion. For filling the position in Washington, D. C., eligibles are desired who, in addition to being experienced civil engineers and superintendents of construction, are also good draftsmen. In order to be rated 70% or over in training and experience, applicants must show that they have had at least one year's experience in architectural construction and its supervision on the ground. In addition, a good scientific education and some practical experience in civil engineering are necessary. The duties include supervision of the erection of army post buildings (barracks, officers' quarters, storehouses, etc.), the laying out of grounds, construction of roads, sewers, etc., and, at seacoast posts, wharves. Age limit, 20 years or over on the date of the examination. Application form 1312. Applicants should at once apply to the United States Civil Service Commission, Washington, D. C., for form 1312. No application will be accepted unless properly executed and filed, in complete form, with the Commission at Washington prior to the hour of closing business on Sept. 3.

LIST OF CONTRACTS PENDING.

Light, Heat and Power Plants.

	Noted in issue of
8-12 Equipment, Madison, Wis	8- 4
8-12 Wiring, etc., Washington, D. C.	8-11
8-15 Franchise, Emeryville, Cal	8- 4
8-15 Light fixtures, New York	8-11
8-15 Light fixtures, Cincinnati, Ohio	8-11
8-16 Wires, and cables, etc., Washington, D. C	8-11
8-17 Conduit, etc., Atlantic, Ga	8- 4
8-17 Power house, Baltimore, Md	8- 4
8-17 Elec. light plant, Browntown, Wis	8-11
8-18 Elec. elevators, New York	8-11
8-19 Conduit, etc., Leavenworth, Kan	8- 4
8-19 Elec. equipment, Oakland, Cal	8- 4
8-19 Lighting fixtures, Washington, D. C	7-28
8-19 Boilers, New York	8-11
8-23 Heating system, etc., Fort Totten, N. Dak	8-11
8-24 Power-house, etc., Estevan, Sask	8- 4
8-24 Elec. current, etc., Cleveland, O	8- 4
8-25•Generators, etc., Grand Rapids, Mich	8-11
8-29 Elec. conduits, Bradford, Pa	8- 4
8-31 Elec. light system, Apelika, Ala	8- 4
9- 1 Cable, Winnipeg, Man	7-28
9-10•Pump and motors, Hot Springs, Ark	8-11
9-15 Elec. apparatus, Washington, D. C	7-28

Bridges.

	Noted in issue of
8-12 Bridges, Loch Haven, Pa	7-28
8-12 Superstructure, New Lexington, Ohio	8-11
8-12 Bridge, Jackson, Ill	8-11
8-13 Bridge, Liberty, Ind	8-11
8-13 Bridges, Bellefonte, Pa	8-11
8-13 Bridge, Clarksburg, W. Va	8-11
8-15 Bridge work, Newark, Ohio	7-28
8-15 Superstructure, Saybrook, Conn	8- 4
8-15 Bridge, Randolph, Minn	8-11
8-15 Substructure, St. Clairsville, Ohio	8-11
8-16 Bridges, Anderson, Ind	7-28
8-16•Superstructure, Wilmington, N.C.	7-21
8-17•Bridge, Baltimore, Md	7-28
8-19 Bridge, Cincinnati, O	8- 4
8-19 Bridges, Butler, Pa	8-11
8-19•Drawbridge, Salem, Mass.	8-11
8-20•Bridge, Springfield, Ohio	8-11
8-22 Superstructure, Fort Dodge, Iowa	7-14
8-23 Bridge, Oswego, N. Y	7 28
8-23 Superstructure, Lancaster, Ohio	8-11
9- 1 Bridge superstructure, Quebec	6-30
9- 5 Bridge repair, Gaffney, S. C	7- 7
9- 6•Viaduct, Toronto, Ont	7-28
9- 9•Bridge, Van Buren, Me	8-11

Buildings.

	Noted in issue of
8-13 Building, Detroit, Mich	8-11
8-15 Hospital, New York	8-11
8-15 School, Urbana, Ind	7-21
8-15 Hospital, Toronto, Ont	8- 4
8-17 Hospital bldgs, Takoma Park, D. C.	8- 4
8-17 Houses, Wheeling, W. Va	7-21
8-17 Shed, New York	8-11
8-18 Offices, etc., New York	8-11
8-18•Post-office, Pontiac, Mich	7-21
8-18 Buildings, Portland, Me	7-28
8-19 Post-office, Palestine, Tex	7-14
8-19 Hospital, New York	8-11
8-20 Garage, Wash., D. C	8- 4
8-22 Post-office, Carbondale, Pa	7-21
8-23 Buildings, Wheeling, W. Va	7-28
8-23 Enameled brick, Atlanta, Ga	8-11
8-24 Hospital, Ft. Geo. Wright, Wash	8- 4
8-25 Buildings, etc., Hawaii	6- 9
8-25•Post-office, Marlboro, Mass	7-21
8-26 Heating, etc., St. Louis, Mo	7-28
8-27 Building, Boston, Mass	8-11
8-29 Post-office, Bradford, Pa	7-28
8-29•School, Fort Monroe, Va	8- 4
8-31•Post-office, Olean, N. Y	7-28
9- 1•Painting, San Francisco, Cal	7-28
9- 2•Quarters, Ft. Monroe, Va	8- 4
9- 6 Infirmary, Hartford, Conn	7-28
9- 6 Post-office, San Marcos, Tex	8- 4
9- 6•Shops, Ft. Du Pont, Del	8-11
9- 6 Truck house, Albany, N. Y	8-11
9- 6•Court-house plans, Tulsa, Okla	8-11
9- 8 Post-office, Beverly, Mass	8-11
9- 9•Post-office, Port Arthur, Tex	8- 4
9- 9•Building, Ft. Monroe, Va	8-11
9-10 Plans, Albany, N. Y	6- 9
9-12 Post-office, Lexington, Mo	8-11
9-13 Post-office, York, Pa	8- 4
9-14 Post-office, Webster, Mass	8-11
9-15•Post-office, Waycross, Ga	8-11
9-16•Post-office, Harriman, Tenn	8-11
9-19 Post-office, Plattsmouth, Neb	8- 4
9-22 Post-office, Clinton, Mo	8-11
11- 1 Plans, Toronto, Ont	6- 9

Water-Works.

	Noted in issue of
8-12 Water-works, Utica, O	8- 4
8-12•Pipe, Montrose, Colo.	8- 4
8-12 Canals, etc., Kimball, Neb	8-11
8-15 Water pipe, Los Angeles, Cal	8-11
8-15 Reservoir, etc., Brevard, N. C.	8-11
8-15 Water main, Moose Jaw, Sask	8-11
8-15 C. I. pipe, Columbus, O	8- 4
8-15 Water system, Bridgeport, Okla.	7-21
8-22 Water mains, Euclid, O	8- 4
8-22 Water-works, Miles City, Mont	8- 4
8-22 Well, Fort George Wright, Wash.	8- 4
8-23 Water main, Cleveland, Ohio	8-11
8-25 Standpipe, etc., Athens, Ohio	8-11
8-25•Water-works, High Bridge, N. J.	8-11
8-25 Boring machinery, Winnipeg, Man	8- 4
8-25 Water pipe, etc., Keeseville, N.Y.	7-21
8-25•Water system, pipe, Canajoharie, N. Y.	8-11
8-29•Tank, Lovell, Wyo	8- 4
8-29 Water mains, Provo, Utah	8-11
8-29 Intake crib, Toledo, Ohio	8-11
9- 1 Pumping sta., etc., Connersville, Ind	8-11
9- 2•Water-works, Cozad, Neb	8-11
9- 5 Filter, Grand Forks, N. Dak	8-11
9- 5 Water pipe, Italy (Foreign)	8- 4

Sewers.

	Noted in issue of
8-12 Sewers, Brooklyn, N. Y	7-28
8-12 Sewers, Hutchinson, Kan	8-11
8-12 Sewers, South Huron, Mich	8-11
8-12 Storm sewer, Springfield, Ohio	8-11
8-12 Sewer, Troy, N. Y	8-11
8-13 Sewerage plant, Rochester, N. Y.	8- 4
8-15•Sewers, Hudson Falls, N. Y	8- 4
8-15 Sewer system, Pleasanton, Cal	8-11
8-15 Sewer system, Tulare, Cal	8-11
8-15 Sewer, Indianapolis, Ind	8-11
8-15 Sewers, Youngstown, Ohio	8-11
8-15 Sewage plant, Haddonfield, N. J.	8-11
8-15 Sewers, New Haven, Conn	8-11
8-15 Sewer, York, Ont	8-11
8-16 Sewer, Cantor, S. Dak	8- 4
8-17 Sewers, Middletown, Ohio	8-11
8-17 Storm sewer, Amsterdam, N. Y	8-11
8-18 Sewer, Putnam, Conn	8-11
8-20 Sewer, Fort Madison, Ia	8- 4
8-22 Sewers, Shenandoah, Iowa	8-11
8-22•Sewer system, etc., Fort Crockett, Tex	7-21
8-23 Sewers, Indianola, Iowa	8-11
8-23 Sewer, Cleveland Heights, Ohio	8-11
8-25 Drain, Forest Hills, N. Y	8-11
8-29 Sewers, Gainesville, Fla	8-11

Streets and Roads.

	Noted in issue of
8-12 Macadamizing, Columbus, Ohio	7-21
8-12•Curbing, Steelton, Pa	8- 4
8-12 Road, Concord, N. H	8- 4
8-12 Street impvt., St. Louis, Mo	8-11
8-12 Grading, etc., Zanesville, Ohio	8-11
8-13 Road impvt., Sandpoint, Idaho	8-11
8-13•Highway impvt., Mount Pleasant, N. Y	7-28
8-15 Road, Fort McKinley, Me	7-28
8-15 Street work, Richmond, Cal	7-28
8-15•Pavement, Olean, N. Y	8- 4
8-15 Roads, Elko, Nev	8- 4
8-15 Roads, Fort Howard, Md	8- 4
8-15 Road, Shelton, Wash	8-11
8-15 Macadam, Sterling, Ill	8-11
8-15 Paving, Chicago, Ill	8-11
8-15•Grading, Washington, D. C	8-11
8-15 Repairing, etc., Carnegie, Pa	8-11
8-16 Gravel road, Troy, Mo	8-11
8-16 Crossings, Crowley, La	8-11
8-16 Paving, etc., Harrisburg, Pa	8-11
8-16 Walks, Fort Totten, N. Y	8- 4
8-16 Roads, Wilmington, Del	8- 4
8-16 Roads, Anderson, Ind	8- 4
8-16 Paving, etc., Omaha, Nev	8- 4
8-17•Paving, Birmingham, Ala	8- 4
8-17 Grading, etc., Toledo, O	8- 4
8-17 Road impvt., Columbus, Ohio	8-11
8-17 Paving, Canton, Ohio	8-11
8-17 Grading, etc., Baltimore, Md	8-11
8-17 Regulating, etc., New York	8-11
8-18 Macadam, Oskawa, Ont	8-11
8-18 Macadam, Millersburg, Ohio	8-11
8-18 Paving, etc., New York	8-11
8-18 Roadway, New York	8-11
8-18 Paving, etc., Monessen, Pa	8- 4
8-18 Road work, Hartford, Conn	8-11
8-19 Road, Chardon, Ohio	8-11
8-19 Sidewalk, Roanoke, Va	8-11
8-19 Grading, etc., Concord, N. H	8-11
8-20 Repairing, etc., Springfield, Ohio.	8-11
8-22 Grading, etc., Toledo, O	8- 4
8-22 Street impvt., Mattoon, Ill	8-11
8-22 Paving, Louisville, Ky	8-11
8-22•Pavement, Plainfield, N. J	8-11
8-23 Road, Fremont, Ohio	8-11
8-23•Sidewalks, Paducah, Ky	7-28
8-23 Road, Portsmouth, Ohio	8-11
8-24 Road, Bryan, Ohio	8-11
8-24 Repaving, etc., Brooklyn, N. Y	8-11
8-25•Shell road, Fort Du Pont, Del	7-28
8-25 Road, Defiance, Ohio	8-11
8-25 Road, Cadiz, Ohio	8-11
8-24 Street work, Hoboken, N. J	8-11
8-26•Roads, etc., Fort Douglas, Utah	7-28
9- 1•Road, New Brunswick, N. J	8-11
9- 2 Macadam, Columbus, Ohio	8-11
9- 5 Macadam road, Decatur, Ind	8-11
9- 5 Macadam road, Rushville, Ind	8-11
9- 5 Pike road, Vernon, Ind	8-11
9- 5 Gravel road, Jeffersonville, Ind	8-11
9- 5 Resurfacing, Columbus, Ohio	8-11
9- 6 Shell road, West Palm Beach, Fla	8-11
9- 6 Gravel road, Vincennes, Ind	8-11
9- 6 Gravel road, Wabash, Ind	8-11
9- 8 Gravel road, Lebanon, Ind	8-11
9-15 Gravel road, Vernon, Ind	8-11

Miscellaneous.

	Noted in issue of
8-12 Forgings, shell, Washington, D. C	8-11
8-13 Forgings, Washington, D. C	7-28
8-15 Boiler, Key West, Fla	8- 4
8-15 Levee, New Orleans, La	8- 4
8-15 Ditch, Nevada, Iowa	8-11
8-15 Wharf, Alymer, Que	8-11
8-15 Wharf, Port Felix, N. S	8-11
8-16•Dredging, Buffalo, N. Y	7-21
8-16•Dredging, Erie, Pa	7-21
8-17 Iron fence, Cleveland, Ohio	8-11
8-17 Breakwater, Richibucto, N. B	8-11
8-17 Pier, New York	8-11
8-17 Freight shed, New York	8-11
8-18 Steps, walls, New York	8-11
8-20•Dredging, etc., Larchmont, N. Y	7-28
8-22•Removal of wreck, Plymouth, Mass	7-28
8-22 Dredging, Stockton, Me	7-28
8-22•Cement, Porto Rico (U. S. Poss.)	8-11
8-22 Pier, New York, N. Y	8-11
8-24 Cement, Atlanta, Ga	8-11
8-25 Dredging, Conneaut, Ohio	8-11
8-23 Barge canal, Albany, N. Y	7-28
8-24•Dredging, etc., Jacksonville, Fla.	7-28
8-29 Steel bars, etc., Panama (U. S. Poss.)	8-11
8-29•Dredging, Norfolk, Va	8-11
8-30 Canal, etc., Sault Ste. Marie, Mich	8- 4
8-30•Tunnel, Boston, Mass	8-11
9- 1 Iron posts, Ottawa, Ont	8- 4
9- 1•Dams, etc., Rock Island, Ill	8- 4
9- 1•Dredging, Port Washington, Wis.	8-11
9- 1 Fire engine, Washington, D. C	8-11
9- 2•Pier, etc., Boston, Mass	8- 4
9- 2•Breakwater, Bar Harbor, Me	8- 4
9- 3 Riprap, Washington, D. C	8-11
9- 6•Dredging, Jacksonville, Fla	9-11
9- 6 Ditch, etc., Clark, S. Dak	7-28
9- 7•Walls, dams, etc., Jacksonville, Fla	8-11
9- 7•Barge canal, Albany, N. Y	8-11
9- 8•Riprap, New London, Conn	8-11
9- 8•Dredging, San Diego, Cal	8-11
9- 8•Dredging, Savannah, Ga	8-11
9- 8•Dredging, Jacksonville, Fla	8-11
9- 8•Locks and dams, Pittsburg, Pa	8-11
9- 8 Gun turrets, Washington, D. C.	7-28
9-16•Lock machinery, Panama	7-21
9-17•Lock and dam, Mobile, Ala	8-11
9-19•Seawall, New Orleans, La	8-11
9-20 Gun turrets, Washington, D. C	7-28

Examinations.

	Noted in issue of
8-24 Draftsman, Washington, D. C	7-28
8-24 Asst. Engr., New York, N. Y	7-14
8-24 Mechanical Draftsman, Wash, D. C.	8- 4
8-24 Asst. in Telephony, Wash., D. C.	8- 4
8-24 Asst. plant pathologist, Washington, D. C	8-11
8-24 Aid, Washington, D. C	8-11
9- 7 Computer, Washington, D. C	8-11
9-14 Civil engr., Washington, D. C	8-11

Plans and Specifications on File.

The following plans (P.) and Specifications (S.) are on file (for reference only unless otherwise noted) at the office of The Engineering News Publishing Co., 220 Broadway, New York.

8-15•Sewers, Hudson Falls, N. Y	(S.)	8- 4
8-16•Dredging, Buffalo, N. Y	(S.)	7-21
8-20 Garage, Wash., D. C	(S.)	8- 4
8-24•Dredging, etc., Jacksonville, Fla.	(S.)	7-28
8-25•Water system, pipe, Canajoharie, N. Y.	(P. & S.)	8-11
8-30 Canal, etc., Sault Ste. Marie, Mich	(S.)	8- 4
9- 2•Breakwater, Bar Harbor, Me.	(S.)	8- 4
9- 2•Pier, Boston, Mass	(P. & S.)	8- 4
9- 6•Viaduct, Toronto, Ont.	(P. & S.)	7-28
9- 9•Bridge, Van Burean, Me.	(P. & S.)	8-11

For other Proposal Advertisements see pages 51, 52, 53, 54, 56 of Advertisements and Construction News page 74.

PIPE.

Canajoharie, N. Y.

Sealed proposals for furnishing wood stave and cast iron pipe to the Village of Canajoharie, N. Y., will be received until the 25th day of August, 1910, at the office of the Municipal Board of said village, until 2 o'clock P. M. of that day, at which time and place all proposals will be opened and read.

Each proposal for furnishing the wood stave pipe shall be accompanied by a certified check or New York draft payable to the village treasurer for the sum of $1,000.00, and the successful bidder will be required to give a bond in the penalty of $10,000.00, both the form of the bond and the surety to be satisfactory to the Municipal Board. And each proposal for furnishing the cast iron pipe shall be accompanied by a certified check or New York draft payable to the village treasurer for the sum of $300.00, and the successful bidder will be required to give a bond in the penalty of $3,000.00, both the form of the bond and the surety to be satisfactory to the Municipal Board.

Plans, specifications, approximate quantities, and proposal forms upon which the bids must be submitted, may be seen at the office of the Municipal Board or the office of the engineers in the village of Canajoharie, N. Y. Copies of the specifications and proposal forms may be had upon application to the engineers.

The Municipal Board reserves the right to reject any and all bids.

For all further particulars address the clerk of the Municipal Board, or the engineers.

The work consists of the following approximate quantities:

WOOD STAVE PIPE:

Ten (10) miles of 8", 10" and 12" wood stave pipe;

Three (3) tons cast iron specials.

CAST IRON PIPE:

356 tons cast iron pipe;

5 tons cast iron specials.

CHARLES E. SCHULTZE,
Chairman Municipal Board.

VROOMAN & PERRY, Engineers.

TWO MILLION GALLON FILTRATION SYSTEM.

Grand Forks, N. Dak.

The City Council of the City of Grand Forks, N. Dak., will on September 5th, 1910, consider bids for the remodeling and reconstruction of the present slow sand filter, as per general plans and specifications now on file in the office of the City Engineer, copies of which plans and specifications may be obtained from the City Engineer, and also complete plans of the present plant. The bidders are required to furnish detailed plans and specifications and bids are asked on the following propositions:

1. Rapid sand filter.
2. Remodeling of present slow sand filter to increase its capacity and efficiency.

(a) By use of scrubbing filters.

(b) By preliminary or other treatment of the raw water, chemical or otherwise.

(c) By preliminary softening and sedimentation of the raw water.

Bids will be received by the City Auditor of the City of Grand Forks, until three (3) o'clock P. M., on September 5th, 1910, and all bids must be indorsed "bids for the contraction of filtration plant" and a certified check in the sum of five hundred ($500) dollars, payable to the Mayor of the City of Grand Forks, and a surety bond in the full amount of the bid shall accompany each bid. The City Council reserves the right to reject any and all bids.

Dated at Grand Forks, N. Dak., this 28th day of July, A. D. 1910.

CHARLES J. EVANSON,
City Auditor.

U. S. ENGINEER OFFICE, New London, Conn., August 8, 1910.—Sealed proposals for delivering riprap stone in breakwaters at New Haven, Conn., and at Duck Island, Conn., will be received at this office until 3 p. m., September 8, 1910, and then publicly opened. Information on application. HARRY TAYLOR, Lt.-Col., Engineers.

CANAL.

STATE OF NEW YORK.
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS
Albany.

August 9, 1910.

NOTICE TO CONTRACTORS:

Sealed proposals will be received by the undersigned at his office in the Capitol in Albany, N. Y., until twelve o'clock noon of Wednesday, September 7th, 1910, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provision of chapter 147 of the Laws of 1903 and of the amendments thereto, as follows:

1.

CONTRACT NO. 22.

Erie Canal, Sections 6 and 7.

For constructing new highway bridges and raising existing highway bridges over the Erie canal between Cold Spring and Free Bridge, within the limits of Contract No. 12.

Sheets 1 to 23 inclusive.

2.

CONTRACT NO. 37.

Oswego Canal, Section 1.

For improving the Oswego canal between Fulton and Oswego.

Length, 9.73 miles. Sheets 1 to 64 inclusive.

3.

CONTRACT NO. 50.

Erie Canal, Section 5.

For constructing a reservoir and dam on the West Canada Creek, and performing all other work appertaining to the contract.

Area of reservoir inside of clearing line, about 6.1 square miles: Sheets 1 to 31 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y.; and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or State bank in good credit within the State and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The amount of bond required for faithful performance will be ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contracts in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

F. C. STEVENS.
Superintendent of Public Works.

WATER SYSTEM.

Canajoharie, N. Y.

Sealed proposals for construction of a Water System for the Village of Canajoharie, N. Y., will be received until the 25th day of August, 1910, at the office of the Municipal Board of such village, until 3 o'clock P. M. of that day, at which time and place all proposals will be opened and read.

Each proposal shall be accompanied by certified check or New York draft payable to the village treasurer for the sum of three thousand dollars ($3,000.00), and the successful contractor for the construction of the system will be required to give a bond with some satisfactory surety company authorized to do business in the State of New York as surety, in the penalty of 50% of the amount of the bid, both the form of the bond and surety to be satisfactory to the Municipal Board.

Plans, specifications, approximate quantities and proposal forms upon which the bids must be submitted, may be seen at the office of the Municipal Board, or the office of the engineers in the village of Canajoharie, N. Y. Copies of the specifications and proposal forms may be had upon application to the engineers.

The Municipal Board reserves the right to reject any or all bids.

For all further particulars address the clerk of the Municipal Board or the engineers.

The work consists of the following: Intake, laying ten miles of 8", 10" and 12" wood stave pipe; distribution reservoir; laying one and one-half miles of 12" cast iron pipe; and the necessary appurtenances to the work.

CHARLES E. SCHULTZE,
Chairman Municipal Board.

VROOMAN & PERRY, Engineers.

COURT HOUSE.

NOTICE TO ARCHITECTS.

Tulsa, Okla.

On Tuesday, Sept. 6th, 1910, with the object in view of employing an Architect, the Board of County Commissioners of Tulsa County, Oklahoma, will consider sketches and estimates for a new County Court House and County Jail to be erected on the site known as the Peryman Block, in the City of Tulsa, Okla.

Said Court House to be built of reinforced concrete or steel and concrete and to be fireproof.

Said building to face the West and South and to be 120 ft. x 120 ft., with full size basement, ground floor, second floor and Jail on third or top floor.

To have court rooms for District, Superior, County and Justice Court, and rooms for the various other county officers.

The estimated cost of court house not to exceed $200,000.00, including heating, plumbing (for hot and cold water in all rooms and gas) and wiring for electricity.

The cost of Jail not to exceed $25,000.00 with all jail fixtures complete.

The cost of completed plans and specifications to accompany each proposal.

The successful Architect will be required to make and execute a Bond that the cost of the building, etc., will not exceed his estimate.

For more detailed information, write the County Clerk of Tulsa County, Tulsa, Okla.

The Board reserves the right to reject any or all Plans and Estimates.

HIGHWAY BRIDGE.

Augusta, Me.

The Van Buren-St. Leonard International Bridge Commission will receive proposals at the office of the State Commissioner of Highways, at Augusta, Maine, until noon Sept. 9th, 1910, for the furnishing all material and building a highway bridge over the St. John River between Van Buren, Maine and St. Leonards, N. B.

The length of the bridge will be about 762 feet between backwalls, and about 2200 cubic yards of masonry will be required.

Proposals will be received separately for the masonry and for the superstructure.

The masonry must be completed by December 1st, 1910, and the superstructure by April 1st, 1911.

Each proposal must be accompanied by a certified check for $1,000 made payable to "State Commissioner of Highways, Maine, and Minister of Public Works, Canada" jointly, as a guarantee that the bidder, if awarded the contract, will furnish the required bond and execute the contract within ten days of the time of the award.

An approved bond for one half the contract price will be required for the faithful performance of the work.

Specifications and general plans may be seen at the office of Engineering News, New York, the office of the Chief Engineer, D.P. Works, Ottawa, Ont., at the offices of the Resident Engineers, D.P. Works at Toronto, Ont., Montreal and Quebec P. Q., and St. John, N. B. or they may be obtained for one dollar on application to E. E. Greenwood, Engr. Skowhegan, Maine.

The right is reserved to reject any or all proposals.

BEACON HILL TUNNEL.

NOTICE TO CONTRACTORS.

Boston, Mass.

Sealed bids for building Section 2, Beacon Hill Tunnel for the Cambridge connection, including a three-platform station located under a portion of the existing Park street Subway station and Boston Common, will be received by the undersigned until 12 o'clock M. of Tuesday, August 30th, 1910. Specifications and forms of contract can be obtained at 15 Beacon street, 9th floor. The right to reject any and all bids, and to award the contract as is deemed to be for the best interest of the City of Boston is reserved. By order of the BOSTON TRANSIT COMMISSION, B. LEIGHTON BEAL, Secretary.

FORT MONROE, VA., August 8, 1910.—Sealed proposals, in triplicate, will be received until 10.00 A. M., September 9, 1910, for constructing a Band Mess and Shop building, including plumbing, heating and electric wiring and fixtures. For convenience of bidders in and near New York plans and specifications may be seen in the Office of the Chief Quartermaster, Department of the East, Governor's Island, New York. Deposit of certified check for $25.00 required as guaranty return plans and specifications. Bidders on proposals must state name of manufacturers supplying them with material. Informaiton on application. The United States reserves the right to accept or reject any or all proposals or any part thereof. ERNEST R. TILTON, Capt. and Q. M., U. S. A., Constg. Q. M.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 1, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 15th day of September, 1910, and then opened, for the construction (including plumbing, gas piping, heating apparatus, and electric conduits and wiring) of the U. S. Post Office at Waycross, Ga., in accordance with drawings and specifications, copies of which may be had from the Custodian of site at Waycross, Ga., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 3, 1910.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 16th day of September, 1910, and then opened, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. Post Office at Harriman, Tenn., in accordance with drawings and specifications, copies of which may be obtained from the Custodian of site at Harriman, Tenn., or at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect.